Industrial Packaging Catalog

Shurtape
INDUSTRIAL

Packaging Solutions for the Way You Do Business.

In the packaging industry, case sealing issues have become the status quo — stub rolls are the norm, budgeting for downtime is a given and unsecure case seals on the line are an expectation rather than an exception. It's time to redefine the packaging line.

We know what it takes to keep you working at peak production. That's why we continue to deliver packaging solutions that address common case sealing issues — downtime, material waste, personal injuries, product damage and more — and deliver the consistent, reliable and secure seal you demand.

From the packaging machinery to the corrugated case to the application device, we recognize it takes a complete system to protect your product. And now, we can close the loop with a variety of solutions that are purpose-built for your end-of-line packaging operations.

Additionally, sustainable packaging solutions continue to increase in importance, making it imperative to deliver high-quality and sustainable alternatives for our consumers.

Shurtape
TECHNOLOGIES

We are proud to craft — and supply — the right tape solution for every job. And we are proud to manufacture many of those tapes right here in the USA. Look for this icon for items that are Made in the USA with Local & Global Materials.

Glossary of Terms

APPLICATION TEMPERATURE
The ambient temperature of the environment in which the packaging tape is being applied to a substrate.

BOPP (BIAXIALLY ORIENTED POLYPROPYLENE)
A type of film used as a backing material for some pressure-sensitive tapes. BOPP film provides tear resistance, flexibility and conformability.

DWELL TIME
The amount of time that passes once the packaging tape has been applied to the substrate before external stresses are met.

FILAMENTS
Strands of fiberglass that are used to reinforce certain types of packaging tape, including strapping and water-activated tapes. These filaments provide additional tensile strength for high-stress applications.

FSC (FORESTRY STEWARDSHIP COUNCIL)
FSC® certification ensures that products come from responsibly managed forests that provide environmental, social and economic benefits.

GOOD TO THE CORE® PERFORMANCE
The ability to utilize every linear inch of tape from the roll, all the way down to the corrugated core.

HOLDING POWER (SHEAR STRENGTH)
The ability of a tape to resist static forces applied in the same plane as the backing. Usually expressed in a time required for a given weight and length of tape to shear free from a vertical plane.*

HOT MELT PRESSURE-SENSITIVE ADHESIVE
A pressure-sensitive adhesive, applied to the backing in hot liquid form, which then cools to form a conventional pressure-sensitive adhesive. Provides excellent shear strength and adhesion to fiberboard.*

KNIFELESS
Cartons will have an easy, no-knife opening, reducing the risk of product damage and injury to employees and customers alike.

PCR (POST CONSUMER RECYCLED)
Post-Consumer Recycled (PCR) material (also termed as Post Consumer Recyclate or Post Consumer Resin), and generally refers to plastics such as PET, PP and HDPE, which are widely recycled and then reprocessed into a resin that is used to make new packaging.

PET (POLYESTER)
A type of film used as a backing material for some pressure-sensitive adhesive tapes. PET requires more force to break than BOPP film, leading to its use in extremely heavy-duty tapes.

PRESSURE-SENSITIVE ADHESIVE TAPE
Pressure-sensitive adhesive tapes can be defined as a continuous flexible strip of cloth, paper, metal or plastic coated on one or both sides with a permanently tacky adhesive at room temperature which will adhere to a variety of surfaces with light pressure (finger pressure) with no phase change (liquid to solid) and usually in roll form.*

PRINTABILITY
The ability for a tape's backing to be printed on with a message or graphics via flexographic printer.

RELEASE COATING
In hot melt tapes, the outermost layer which allows the tape to have consistent, low force unwind off the roll.

RELIABLE
Cartons will have consistent tape application, resulting in better product throughput.

RRQ (RENEWABLE/RECYCLABLE QUOTIENT)
Products that carry our Renewable Resource Quotient (RRQ) mark denote the percentage of renewable or recyclable materials these products are constructed with by total weight.

SECURE
Cartons will have increased seal strength along the edges of the tape and at the major flaps to add security and reduce the risk of contamination during storage and transit.

SERVICE TEMPERATURE
The temperature at which a carton is stored or transported after packaging tape is applied.

SUBSTRATE
In packaging applications, the material to which your packaging tape is applied. Common substrates include virgin corrugated and recycled corrugated kraft cartons.

TACK
The property of a pressure-sensitive adhesive that allows it to adhere to a surface under very slight pressure. It is determined by the ability of the adhesive to wet quickly to the surface it contacts.*

TAPE MANAGEMENT SYSTEM
A self-contained, wireless and self-recharging system that provides audible and visual alerts to signal line operators in the event of low tape, no/missing tape, broken tape, uncut tape or case jams. PrimeAlert is a tape management system that retrofits with ShurSEAL® Packaging Solutions into existing packaging machinery. Can be integrated into existing PLC systems.

TENSILE STRENGTH
The force required to break a unit width of tape by controlled pulling on opposite ends of the piece.*

THICKNESS
The perpendicular distance from one surface of either a tape, backing or adhesive to the other, usually expressed in mils, thousandths of an inch or millimeters. This is usually measured under controlled slight pressure with a special gauge.*

WAT (WATER-ACTIVATED TAPE)
Constructed with a paper backing and a starch adhesive that is activated by water. WAT is applied via a WAT dispenser and is widely popular for ecommerce and manual packaging operations.

WMU (WESTERN MICHIGAN UNIVERSITY CERTIFIED - CURBSIDE RECYCLABLE)
Products that carry a WMU mark denote these products have been curbside recyclable tested and verified through Western Michigan University.

WIPE-DOWN FORCE
The force applied to pressure-sensitive tapes that drives the adhesive into the fiberboard, allowing the tape to bond with the carton. Proper wipe-down force allows the adhesive to penetrate the carton to create a secure seal.

*Source: https://www.pstc.org/i4a/pages/index.cfm?pageID=3336

Why Choosing the Right Packaging Tape Matters

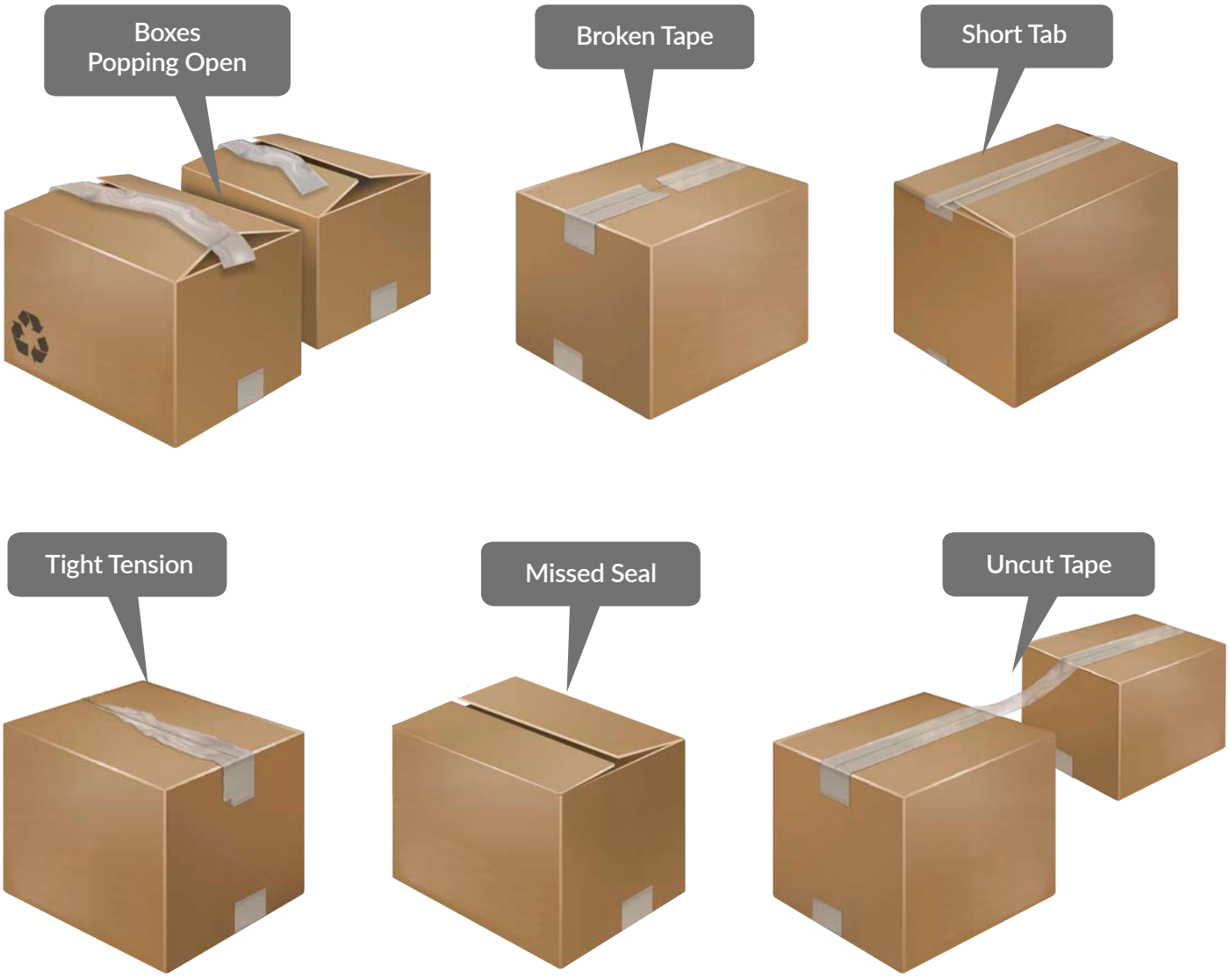
From applying quality standards and operational efficiencies to designing eye-catching packaging, you've dedicated countless hours and resources to your product and to ensuring it gets to its destination intact.

But, something as simple as packaging tape failure or unsecure carton seals — which can lead to production inefficiencies, product damage, theft and more — can render all your hard work useless.

While packaging tape is the best, most economical way to seal cartons, it's important to understand that not all packaging tapes or applications are created equal. That's why it's important to consider things like the type of tape and application method when selecting a tape for the job.

Pick Your Tape for Performance

Don't let packaging tape failures like these render your hard work useless:



Types of Tape

There are three main types of packaging tapes used for case sealing, each designed to perform differently and meet different needs. These include:

PRESSURE-SENSITIVE TAPES

Including **hot melt** and acrylic packaging tape, **pressure-sensitive tapes** are those which require application pressure — often referred to as **wipe-down force** — in order to adhere to a **substrate**. Hot melt and acrylic tapes are each constructed to deliver unique performance characteristics that make them ideal for different case sealing applications.

See HP Series, page 15; AP Series, page 21.

WATER-ACTIVATED TAPES (WAT)

Water-activated tapes deliver a powerful bond to corrugated surfaces and produce tamper-evident seals that reduce the risk of theft or product damage, making them ideal for manual packaging stations, ecommerce and single parcel shipments. The tape's adhesive is activated by water, which is applied by a tabletop dispenser that is designed to feed, moisten and cut selected lengths of tape to be applied by hand.

See WP Series, page 25.

STRAPPING TAPES

Strapping tapes differ from other types of pressure-sensitive packaging tapes because they have fiberglass **filaments** built into them. This provides reinforcement that results in a stronger tape that is resistant to tears and abrasion. Strapping tapes are ideal for bundling, strapping and palletizing applications, as well as L-Clip case sealing. They are also commonly used to reinforce cartons containing particularly heavy items.

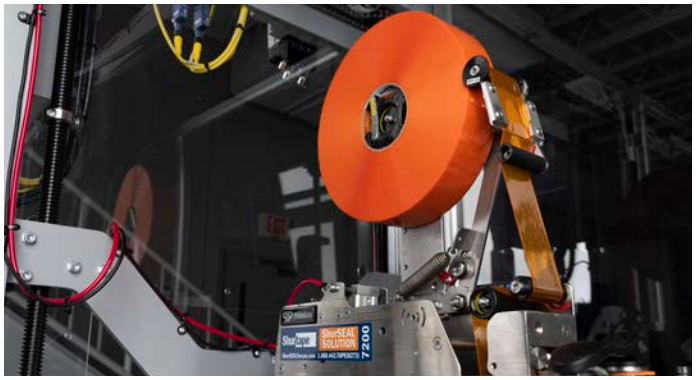
See GS Series, page 28.

*See glossary on page IV for information on bolded terms.

Application Methods

Always consider the way the tape will be applied when choosing the best tape for the job. Quality tape applied with the right application method can deliver a secure seal capable of withstanding the rigors of the distribution network.

AUTOMATED APPLICATION



In automated packaging operations — whether fully or semi-automatic — the packaging tape is applied by a case sealing machine. Easy unwind, quick stick and high **holding power** are essential qualities for automated case sealing applications because they ensure secure seals in fast-paced packaging lines. For these reasons, hot melt pressure-sensitive tapes are preferred for use in automated packaging lines.

See ShurSEAL® automated tape applicators, page 36.

MANUAL APPLICATION

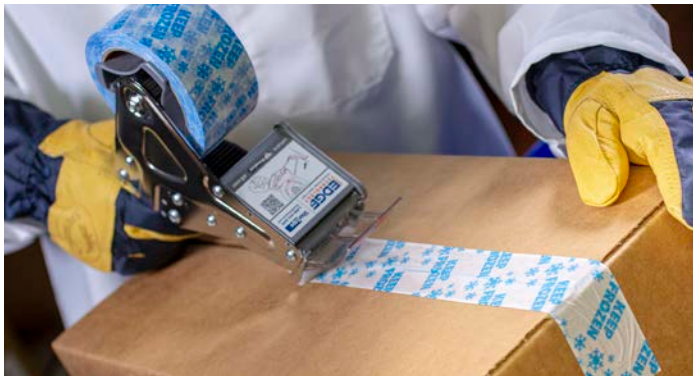
In manual case sealing operations, packaging tape is applied by hand as cartons are packed by workers. Pressure-sensitive, strapping and water-activated tapes can all be applied manually, and are designed to meet the specific demands of the job at hand.

See manual tape dispensers, page 44.

Other Factors to Consider

In addition to the application method, it is critical to consider the conditions in your case sealing environment when choosing a packaging tape. These factors include:

APPLICATION TEMPERATURE



Application temperature is the temperature at which the packaging tape is being applied. If sealing in a refrigerated or unconditioned space, be sure to choose a packaging tape designed for use in cold temperatures. Application temperatures below 35 F or above 110 F often call for a specialty packaging tape.

See page 21 for cold temperature packaging tapes.

SERVICE TEMPERATURE

Service temperature is the temperature at which the package is stored or transported once the tape is applied. Service temperature should be considered when cartons will be stored or shipped in extremely hot or cold conditions.

*See glossary on page IV for information on bolded terms.

MOISTURE AND HUMIDITY

High levels of humidity can cause some tapes to have trouble sticking. That's because the corrugated carton can absorb the moisture in the air, making it difficult for the tape's adhesive to bond well to the corrugated fibers.

See AP Series, page 21.

DUST, DIRT AND POWDERS

Case sealing environments with high amounts of dust, dirt and powders can make it hard for packaging tape to stick. Packaging tapes with adhesives that are less viscous (or more liquid-like) are often a good choice for this type of sealing environment because they offer good initial **tack** and can flow around contaminant particles.

See AP Series, page 21; HP 235, page 17.

REGULATORY REQUIREMENTS

Some sealing situations require compliance with certain standards or regulations, which may dictate your tape selection. These standards — such as military certifications, FDA regulations for indirect food contact and ASTM standards — ensure quality and performance in various applications.

Tape Selector Guide

Redefine your packaging line and consider these factors to ensure you select the right tape for the job!

Application Considerations

- Virgin Plastic Reduction
  - RECYCLED SERIES
    - **rHP 100** PAGE 13 — For manual or automated industrial carton sealing of lightweight cartons with minimal exposure to handling, shipping and load stress
    - **rHP 235** PAGE 13 — For manual and automated industrial sealing of medium-weight, highly recycled cartons, particularly 100 percent recycled
    - **rAP 201** PAGE 13 — For manual or automated industrial carton sealing of medium-weight cartons
  - CURBSIDE SERIES
    - **CR 100** PAGE 12 — For manual industrial sealing of light and non-critical cartons that demand a sustainable, curbside recyclable solution
    - **CR 400** PAGE 12 — For manual and automated industrial sealing of light- to medium-weight cartons that demand a sustainable, curbside recyclable solution; Meets FDA specifications for indirect food contact
- Cold Temperature (<35F)
  - **AP 201®** PAGE 21 — For industrial sealing of light- to medium-weight cartons
  - **HP 232®** PAGE 17 — For industrial sealing of medium-weight cartons in cold temperature environments
- Extreme Temps, Damp/Humid, or Dirty /Oily Environments
  - **AP 301®** **AP 401®** PAGE 21 — For industrial carton sealing in extreme temperature environments or hard-to-stick -to surfaces
- Normal/Controlled Conditions (clean, room temp, etc.)
  - Type of Carton Used
    - Highly Recycled
    - 100% Recycled Corrugated
      - **AP 235** PAGE 21 — Acrylic tape for use with highly recycled corrugated and/or extreme temperature environments
      - **HP 235** PAGE 17 — For use with highly recycled corrugated cartons
      - **HP 535** PAGE 17 — For industrial carton sealing of heavy, bulky, highly recycled cartons in high stress and extreme handling conditions
    - Virgin Kraft
    - Non-Recycled Corrugated

Application Method

Automated (Machine Applied)

- Weight
- Value of Contents

LOW

HP 100® PAGE 15

HP 200® PAGE 15

MEDIUM

HP 300® PAGE 15

HP 400® PAGE 15

HIGH

HP 500® PAGE 15

HP 800® PAGE 15

ECOMMERCE

MILITARY GRADE

Manual (Hand Applied)

- Critical Closure
- High Value
- Heavy Contents

HP SERIES PAGE 15

- Non-Critical
- Lightweight
- Hard-To-Stick-To Surfaces

AP SERIES PAGE 21

- Ecommerce
- Single Parcel Shipments
- Packaging Stations

WP SERIES PAGE 25

- Bundling
- Strapping
- L-Clip Sealing
- Heavy Weight Cartons

GS SERIES PAGE 28

As any of these factors change, or as additional factors are considered, so too should the solution. Contact your Shurtape Sales Representative to help you find the right solution for your specific application.


Lock 1

PACKAGING TAPES

We know every sealing situation is unique.

And we understand that keeping your lines running at peak production, while producing a better, more reliable case seal, is a priority. That's why we produce several different types of packaging tapes that are purpose-built for packaging and case sealing applications. So, no matter what the circumstance calls for, we have a packaging tape to get the job done and deliver **secure seals, every time.**

Shurtape®
TRUE TO YOUR WORK®

Sustainability

Our approach to sustainable end-of-line packaging reflects our passion to protect the environment for future generations and is a testament to our commitment to innovation.

From more sustainable tape backings made from renewable and recycled resources to application technologies that simply use less tape, our holistic approach ensures we continue to deliver the same quality, secure seals, while also maximizing packaging line efficiencies to keep them running longer and faster.

CURBSIDE™ SERIES

RECYCLED™ SERIES

Shurtape's Sustainable Packaging Solutions

Through a deep understanding of materials, manufacturing processes and customer needs, we've designed packaging solutions that meet the demands for performance, productivity and sustainability.

CURBSIDE SERIES PACKAGING TAPES

From minimizing greenhouse gases to reducing material waste, more and more global corporations are looking for ways to make a positive impact on the environment — and packaging continues to be a large part of that conversation. Oftentimes, however, corporations are forced to choose between going "green" and product performance.

But, with the Shurtape® Curbside Series Packaging Tapes, choosing a sustainable solution doesn't have to mean sacrificing case sealing performance.

See Curbside Series Tapes, page 12.

RECYCLED SERIES PACKAGING TAPES

Helping to drive a circular plastics economy, Shurtape Recycled Series Packaging Tapes are made from 90% Post-Consumer Recycled Polyester, found in PET bottles, and are designed to significantly reduce virgin plastic use in carton sealing operations.

By combining an rPET film-based backing with our tried-and-true high-performance adhesive, these tapes deliver uncompromised adhesive strength and functionality to deliver a case sealing solution with the reliability and performance you demand.

See Recycled Series Tapes, page 13.

SOURCE REDUCTION WITH SHURSEAL

ShurSEAL® Packaging Solutions is an automated tape application technology that is engineered to enhance case sealing operations and optimize packaging tape usage. ShurSEAL delivers Secure Seals, Every Time™ with the least amount of material necessary to protect your product.

See ShurSEAL®, page 36.

CURBSIDE SERIES TAPES

CR 100

PRODUCTION GRADE
SATURATED CREPE PAPER
SYNTHETIC RUBBER-BASED ADHESIVE

TENSILE (LBS/IN WIDTH) (LONGITUDINAL)	20
ADHESION TO STAINLESS STEEL (OZ/IN WIDTH)	51.5
THICKNESS (MILS)	4.3
ELONGATION (%)	-
APPLICATION TEMPERATURE RANGE (°F)	-
SERVICE TEMPERATURE RANGE (°F)	150
APPLICABLE STANDARDS*	9, 16

For manual industrial sealing of light and non-critical cartons that demand a sustainable, curbside recyclable solution.

*Curbside recyclable on the box using standard application methods.

CR 400

PERFORMANCE GRADE
EXTENSIBLE, KRAFT, FLATBACK PAPER
SYNTHETIC RUBBER-BASED ADHESIVE

TENSILE (LBS/IN WIDTH)	35
ADHESION TO STAINLESS STEEL (OZ/IN WIDTH)	110
THICKNESS (MILS)	6.0
ELONGATION (%)	6
APPLICATION TEMPERATURE RANGE (°F)	-
SERVICE TEMPERATURE RANGE (°F)	60 - 150
APPLICABLE STANDARDS*	9, 16

For use in manual and automated carton sealing applications that demand a sustainable, curbside recyclable solution with excellent quick stick and holding power; Meets FDA specifications for indirect food contact.

*Curbside recyclable on the box using standard application methods.

Curbside Series Tapes Technical Data

Product Type	Tape Grade	Backing Type	Adhesive Type	Total Thickness (mils)	Tensile (lbs/in width)	Adhesion to Stainless Steel (oz/in width)	Elongation (%)	Application Temp Range (°F)	Max Service Temp Range (°F)	Applicable Standards
CURBSIDE SERIES TAPES										
CR 100	Production Grade	Saturated Crepe Paper	Synthetic Rubber-Based	4.3	20	51.5	-	-	150	9, 16
CR 400	Performance Grade	Kraft Flatback Paper	Synthetic Rubber-Based	6.0	35	110	6	-	60 - 150	9, 16

RECYCLED SERIES TAPES

rAP 201

PRODUCTION GRADE
19 MICRON 90% POST-CONSUMER RECYCLED rPET FILM
EMULSION ACRYLIC ADHESIVE

TENSILE (LBS/IN WIDTH) (LONGITUDINAL)	23
ADHESION TO STAINLESS STEEL (OZ/IN WIDTH)	22
HOLDING POWER TO FIBERBOARD (MINUTES)	-
THICKNESS (MILS)	1.3
ELONGATION (%)	135
APPLICATION TEMPERATURE RANGE (°F)	20 - 100
SERVICE TEMPERATURE RANGE (°F)	-20 - 180
APPLICABLE STANDARDS*	9

For manual or automated industrial carton sealing of medium weight-cartons.

rHP 100

GENERAL PURPOSE GRADE
19 MICRON 90% POST-CONSUMER RECYCLED rPET FILM, SYNTHETIC RUBBER/ RESIN HOT MELT ADHESIVE

TENSILE (LBS/IN WIDTH) (LONGITUDINAL)	19
ADHESION TO STAINLESS STEEL (OZ/IN WIDTH)	53
HOLDING POWER TO FIBERBOARD (MINUTES)	10,000
THICKNESS (MILS)	1.3
ELONGATION (%)	125
APPLICATION TEMPERATURE RANGE (°F)	35 - 110
SERVICE TEMPERATURE RANGE (°F)	-20 - 150
APPLICABLE STANDARDS*	9

For manual or automated industrial carton sealing of lightweight cartons with minimal exposure to handling, shipping and load stress.

rHP 235

RECYCLED CARTONS PRODUCTION GRADE
23 MICRON 90% POST-CONSUMER RECYCLED rPET FILM, SYNTHETIC RUBBER/ RESIN HOT MELT ADHESIVE

TENSILE (LBS/IN WIDTH) (LONGITUDINAL)	23
ADHESION TO STAINLESS STEEL (OZ/IN WIDTH)	63
HOLDING POWER TO FIBERBOARD (MINUTES)	15,000
THICKNESS (MILS)	1.75
ELONGATION (%)	135
APPLICATION TEMPERATURE RANGE (°F)	35 - 110
SERVICE TEMPERATURE RANGE (°F)	-20 - 150
APPLICABLE STANDARDS*	1, 7, 9

For manual and automated industrial sealing of medium-weight, highly recycled cartons, particularly 100 percent recycled.

Recycled Series Tapes Technical Data

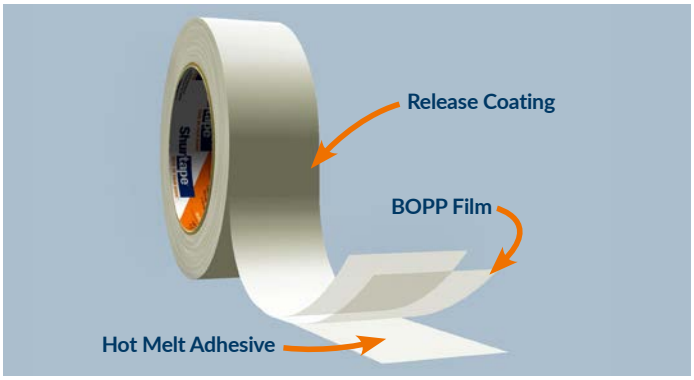
Product Type	Tape Grade	Backing Type	Adhesive Type	Total Thickness (mils)	Tensile (lbs/in width)	Adhesion to Stainless Steel (oz/in width)	Elongation (%)	Application Temp Range (°F)	Max Service Temp Range (°F)	Applicable Standards
RECYCLED SERIES TAPES										
rAP 201	Production Grade	90% Post-Consumer Recycled rPET film	Emulsion Acrylic Adhesive	1.3	23	22	135	20 - 100	-20 - 180	9
rHP 100	General Purpose Grade	90% Post-Consumer Recycled rPET film	Synthetic Rubber/ Resin Hot Melt Adhesive	1.3	19	53	125	35 - 110	-20 - 150	9
rHP 235	Recycled Cartons Production Grade	90% Post-Consumer Recycled rPET film	Synthetic Rubber/ Resin Hot Melt Adhesive	1.75	23	63	135	35 - 110	-20 - 150	1, 7, 9

* SEE PAGE 51 FOR APPLICABLE STANDARDS

Hot Melt Packaging Tapes

From manual packing stations to automated lines, Shurtape HP Series® hot melt packaging tapes are built to maximize throughput to save time and labor. For secure seals and added production efficiency, HP Series offers the highest holding power to fiberboard in the industry and performs reliably down to the core.

HOT MELT CONSTRUCTION



Hot melt packaging tapes are comprised of a layer of hot melt adhesive, a **BOPP** or **PET** film backing, and a release coating.

- Adhesive
  Hot melt adhesive is a synthetic rubber-based adhesive that provides high adhesion and holding power.
- Release Coating
  Our specially engineered **release coating** provides easier unwind for better performance in automated packaging operations.
- Backing
  BOPP film offers excellent tear resistance, good dimensional stability for application, and flexibility for conformability to the carton.

HOLDING POWER

A tape's holding power, or **shear strength**, is the adhesive's ability to resist slippage or stress, allowing the tape to hold the major flaps of the carton closed. Using a tape with high shear strength helps reduce the risk of cartons popping open throughout the rigors of the supply chain.

*See glossary on page IV for information on bolded terms.

HOT MELT TAPES

HP 100®

GENERAL PURPOSE GRADE
25 MICRON CAST BOPP FILM
SYNTHETIC HOT MELT ADHESIVE

TENSILE (LBS/IN WIDTH) (LONGITUDINAL)	21
ADHESION TO STAINLESS STEEL (OZ/IN WIDTH)	43
HOLDING POWER TO FIBERBOARD (MINUTES)	10,000
THICKNESS (MILS)	1.6
ELONGATION (%)	150
APPLICATION TEMPERATURE RANGE (°F)	35 - 110
SERVICE TEMPERATURE RANGE (°F)	-20 - 150
APPLICABLE STANDARDS*	7, 9

For manual or automated industrial carton sealing of lightweight cartons with minimal exposure to handling, shipping and load stress.

HP 200®

PRODUCTION GRADE
30 MICRON CAST BOPP FILM
SYNTHETIC HOT MELT ADHESIVE

TENSILE (LBS/IN WIDTH) (LONGITUDINAL)	27
ADHESION TO STAINLESS STEEL (OZ/IN WIDTH)	44
HOLDING POWER TO FIBERBOARD (MINUTES)	15,000
THICKNESS (MILS) (MACHINE LENGTH)	1.9
THICKNESS (MILS) (HAND LENGTH)	1.8
ELONGATION (%)	150
APPLICATION TEMPERATURE RANGE (°F)	35 - 110
SERVICE TEMPERATURE RANGE (°F)	-20 - 150
APPLICABLE STANDARDS*	1, 7, 9

For manual or automated industrial carton sealing of medium-weight cartons in normal manufacturing and shipping environments.

HP 300®

PERFORMANCE GRADE
35 MICRON CAST BOPP FILM
SYNTHETIC HOT MELT ADHESIVE

TENSILE (LBS/IN WIDTH) (LONGITUDINAL)	30
ADHESION TO STAINLESS STEEL (OZ/IN WIDTH)	50
HOLDING POWER TO FIBERBOARD (MINUTES)	25,000
THICKNESS (MILS)	2.2
ELONGATION (%)	150
APPLICATION TEMPERATURE RANGE (°F)	35 - 110
SERVICE TEMPERATURE RANGE (°F)	-20 - 150
APPLICABLE STANDARDS*	1, 7, 9

For critical closure manual or automated industrial carton sealing of medium-weight cartons that are subjected to increased handling stress.

HP 400®

HIGH PERFORMANCE GRADE
40 MICRON CAST BOPP FILM
SYNTHETIC HOT MELT ADHESIVE

TENSILE (LBS/IN WIDTH) (LONGITUDINAL)	33
ADHESION TO STAINLESS STEEL (OZ/IN WIDTH)	54
HOLDING POWER TO FIBERBOARD (MINUTES)	35,000
THICKNESS (MILS)	2.5
ELONGATION (%)	150
APPLICATION TEMPERATURE RANGE (°F)	35 - 110
SERVICE TEMPERATURE RANGE (°F)	-20 - 150
APPLICABLE STANDARDS*	1, 7, 9

For manual or automated industrial carton sealing of large, bulky or heavy content cartons; For use in higher speed, critical closure applications; Can be used in moderate to severe handling environments.

HP 500®

HEAVY DUTY GRADE
50 MICRON CAST BOPP FILM
SYNTHETIC HOT MELT ADHESIVE

TENSILE (LBS/IN WIDTH) (LONGITUDINAL)	42
ADHESION TO STAINLESS STEEL (OZ/IN WIDTH)	58
HOLDING POWER TO FIBERBOARD (MINUTES)	45,000
THICKNESS (MILS)	3.0
ELONGATION (%)	150
APPLICATION TEMPERATURE RANGE (°F)	35 - 110
SERVICE TEMPERATURE RANGE (°F)	-20 - 150
APPLICABLE STANDARDS*	1, 5, 7, 9

For manual or automated industrial carton sealing of heavy, bulky cartons, including overstuffed or under-filled cartons, in high stress and extreme handling conditions.

HP 800

EXTREMELY TOUGH GRADE
50 MICRON POLYESTER FILM
SYNTHETIC HOT MELT ADHESIVE

TENSILE (LBS/IN WIDTH) (LONGITUDINAL)	54
ADHESION TO STAINLESS STEEL (OZ/IN WIDTH)	95
HOLDING POWER TO FIBERBOARD (MINUTES)	45,000
THICKNESS (MILS)	3.4
ELONGATION (%)	130
APPLICATION TEMPERATURE RANGE (°F)	35 - 110
SERVICE TEMPERATURE RANGE (°F)	-20 - 150
APPLICABLE STANDARDS*	1, 3, 4, 7, 9, 10

For manual or automated industrial carton sealing of heavy duty, critical closure cartons, including military supplies, high-value electronic components and hazardous materials and chemicals.

* SEE PAGE 51 FOR APPLICABLE STANDARDS

Good to the Core® Performance

HP Series hot melt tapes are often the best choice for the fast-paced environment of automated packaging operations because they offer quick stick and superior holding power with a single strip of tape. They also offer low-force unwind that limits stress induced on the tape and allows for quick and efficient application.

TAPE WASTE

Tape waste is easy to spot — just look for stub rolls lying around your automated packaging line. This can often account for 10-20% of tape wasted.

EVERY INCH USED

HP Series packaging tapes run **Good to the Core®**, which refers to the ability to utilize every inch of tape from the roll — all the way down to the core.

*See glossary on page IV for information on bolded terms.

SPECIALTY HOT MELT TAPES

HP 232®

COLD ENVIRONMENT
PRODUCTION GRADE
30 MICRON CAST BOPP FILM
SYNTHETIC HOT MELT ADHESIVE

TENSILE (LBS/IN WIDTH) (LONGITUDINAL)	27
ADHESION TO STAINLESS STEEL (OZ/IN WIDTH)	30
HOLDING POWER TO FIBERBOARD (MINUTES)	10,000
THICKNESS (MILS)	1.9
ELONGATION (%)	150
APPLICATION TEMPERATURE RANGE (°F)	20 - 75
SERVICE TEMPERATURE RANGE (°F)	-20 - 100
APPLICABLE STANDARDS*	7, 9

For manual or automated industrial sealing of medium-weight cartons in cold temperature environments such as food processing and packaging facilities, as well as in cold weather moving/storage and unheated warehouses.

HP 235

RECYCLED CARTONS
PRODUCTION GRADE
30 MICRON CAST BOPP FILM
SYNTHETIC HOT MELT ADHESIVE

TENSILE (LBS/IN WIDTH) (LONGITUDINAL)	27
ADHESION TO STAINLESS STEEL (OZ/IN WIDTH)	50
HOLDING POWER TO FIBERBOARD (MINUTES)	15,000
THICKNESS (MILS)	2.0
ELONGATION (%)	150
APPLICATION TEMPERATURE RANGE (°F)	35 - 110
SERVICE TEMPERATURE RANGE (°F)	-20 - 150
APPLICABLE STANDARDS*	1, 7, 9

For manual and automated industrial sealing of medium-weight, highly recycled cartons, particularly 100 percent recycled.

HP 535

RECYCLED CARTONS
HEAVY DUTY GRADE
50 MICRON CAST BOPP FILM
SYNTHETIC HOT MELT ADHESIVE

TENSILE (LBS/IN WIDTH) (LONGITUDINAL)	42
ADHESION TO STAINLESS STEEL (OZ/IN WIDTH)	62
HOLDING POWER TO FIBERBOARD (MINUTES)	45,000
THICKNESS (MILS)	3.0
ELONGATION (%)	150
APPLICATION TEMPERATURE RANGE (°F)	35 - 110
SERVICE TEMPERATURE RANGE (°F)	-20 - 150
APPLICABLE STANDARDS*	1, 5, 7, 9

For manual or automated industrial carton sealing of heavy, bulky, highly recycled cartons, particularly 100 percent recycled, in high stress and extreme handling conditions; Ideal for ecommerce and single parcel shipments.

FE-2* & HP 200®

* SEE PAGE 44

PRINTED HOT MELT TAPES

HP 240

PRODUCTION GRADE
STANDARD MESSAGE PRINT
30 MICRON CAST BOPP FILM
SYNTHETIC HOT MELT ADHESIVE

TENSILE (LBS/IN WIDTH) (LONGITUDINAL)	27
ADHESION TO STAINLESS STEEL (OZ/IN WIDTH)	44
HOLDING POWER TO FIBERBOARD (MINUTES)	15,000
THICKNESS (MILS)	1.9
ELONGATION (%)	150
APPLICATION TEMPERATURE RANGE (°F)	35 - 110
SERVICE TEMPERATURE RANGE (°F)	-20 - 150
APPLICABLE STANDARDS*	1, 7, 9

Printed with standard messages to prevent pilferage or inform handlers of care; For manual or automated industrial carton sealing of medium-weight cartons in normal manufacturing and shipping environments.

*Keep Refrigerated and Keep Frozen available as HP 242 cold environment packaging tape.

CUSTOM PRINT

25-50 MICRON CAST BOPP FILM
SYNTHETIC HOT MELT ADHESIVE

Custom-printed to prevent pilferage and allow personalization of outgoing cartons; For manual or automated industrial carton sealing of lightweight to heavy, bulky cartons in minimal to high stress and extreme handling conditions.

Available in a variety of grades, including HP 250, HP 350, HP 450 and HP 550.

Visit Shurtape.com or contact your Shurtape Sales Representative for more details.

PRINTABLE HOT MELT TAPES

HP 260

PRODUCTION GRADE
30 MICRON CAST BOPP FILM
SYNTHETIC HOT MELT ADHESIVE

TENSILE (LBS/IN WIDTH) (LONGITUDINAL)	27
ADHESION TO STAINLESS STEEL (OZ/IN WIDTH)	44
HOLDING POWER TO FIBERBOARD (MINUTES)	15,000
THICKNESS (MILS)	1.9
ELONGATION (%)	150
APPLICATION TEMPERATURE RANGE (°F)	35 - 110
SERVICE TEMPERATURE RANGE (°F)	-20 - 150
APPLICABLE STANDARDS*	1, 7, 9

For use on Siat L33, L36, L233 (or equivalent) surface printing presses; For manual sealing of medium-weight cartons in normal manufacturing and shipping environments; May also be used in automated industrial carton sealing applications.

HP 460

HIGH PERFORMANCE GRADE
40 MICRON CAST BOPP FILM
SYNTHETIC HOT MELT ADHESIVE

TENSILE (LBS/IN WIDTH) (LONGITUDINAL)	33
ADHESION TO STAINLESS STEEL (OZ/IN WIDTH)	54
HOLDING POWER TO FIBERBOARD (MINUTES)	35,000
THICKNESS (MILS)	2.5
ELONGATION (%)	150
APPLICATION TEMPERATURE RANGE (°F)	35 - 110
SERVICE TEMPERATURE RANGE (°F)	-20 - 150
APPLICABLE STANDARDS*	1, 7, 9

For use on Siat L33, L36, L233 (or equivalent) surface printing presses; For manual or automated industrial carton sealing of large, bulky or heavy content cartons; For use in higher speed, critical closure applications; For use in moderate to severe handling environments.

HP 560

HEAVY DUTY GRADE
50 MICRON CAST BOPP FILM
SYNTHETIC HOT MELT ADHESIVE

TENSILE (LBS/IN WIDTH) (LONGITUDINAL)	42
ADHESION TO STAINLESS STEEL (OZ/IN WIDTH)	58
HOLDING POWER TO FIBERBOARD (MINUTES)	45,000
THICKNESS (MILS)	3.0
ELONGATION (%)	150
APPLICATION TEMPERATURE RANGE (°F)	35 - 110
SERVICE TEMPERATURE RANGE (°F)	-20 - 150
APPLICABLE STANDARDS*	1, 5, 7, 9

For use on Siat L33, L36, L233 (or equivalent) surface printing presses; For manual or automated industrial carton sealing of heavy, bulky cartons, including overstuffed or under-filled cartons, in high stress and extreme handling conditions.

Hot Melt Tapes Technical Data

Product Type	Tape Grade	Backing Type	Total Thickness (mils)	Tensile (lbs/in width)	Adhesion to Stainless Steel (oz/in width)	Holding Power to Fiberboard (minutes)	Application Temp Range (°F)	Service Temp Range (°F)	Applicable Standards
HOT MELT TAPES									
HP 100®	General Purpose Grade	25 micron BOPP	1.6	21	43	10,000	35 - 110	-20 - 150	7, 9
HP 200®	Production Grade	30 micron BOPP	1.8	27	44	15,000	35 - 110	-20 - 150	1, 7, 9
HP 300®	Performance Grade	35 micron BOPP	2.2	30	50	25,000	35 - 110	-20 - 150	1, 7, 9
HP 400®	High Performance Grade	40 micron BOPP	2.5	33	54	35,000	35 - 110	-20 - 150	1, 7, 9
HP 500®	Heavy Duty Grade	50 micron BOPP	3.0	42	58	45,000	35 - 110	-20 - 150	1, 5, 7, 9
HP 800	Extremely Tough Grade	50 micron PET	3.4	54	95	45,000	35 - 110	-20 - 150	1, 3, 4, 7, 9, 10
SPECIALTY HOT MELT TAPES									
HP 232®	Cold Environment, Production Grade	30 micron BOPP	1.9	27	30	10,000	20 - 75	-20 - 100	7, 9
HP 235	Recycled Cartons, Production Grade	30 micron BOPP	2.0	27	50	15,000	35 - 110	-20 - 150	1, 7, 9
HP 535	Recycled Cartons, Production Grade	50 micron BOPP	3.0	42	62	45,000	35 - 110	-20 - 150	1, 5, 7, 9
STANDARD MESSAGE - PRINTED HOT MELT TAPES									
HP 240	Standard Printed, Production Grade	30 micron BOPP	1.9	27	44	15,000	35 - 110	-20 - 150	1, 7, 9
HP 242	Standard Printed, Cold Environment	30 micron BOPP	1.9	27	30	10,000	20 - 75	-20 - 100	7, 9
CUSTOM PRINTED HOT MELT TAPES									
HP 250	Custom-Printed, Production Grade	30 micron BOPP	1.9	27	44	15,000	35 - 110	-20 - 150	1, 7, 9
HP 350	Custom-Printed, Performance Grade	35 micron BOPP	2.2	30	50	25,000	35 - 110	-20 - 150	1, 7, 9
HP 450	Custom-Printed, High Performance Grade	40 micron BOPP	2.5	33	54	35,000	35 - 110	-20 - 150	1, 7, 9
HP 550	Custom-Printed, Heavy Duty Grade	50 micron BOPP	3.0	42	58	45,000	35 - 110	-20 - 150	1, 7, 9
PRINTABLE HOT MELT TAPES									
HP 260	Surface Printable, Production Grade	30 micron BOPP	1.9	27	44	15,000	35 - 110	-20 - 150	1, 7, 9
HP 460	Surface Printable, High Performance Grade	40 micron BOPP	2.5	33	54	35,000	35 - 110	-20 - 150	1, 7, 9
HP 560	Surface Printable, Heavy Duty Grade	50 micron BOPP	3.0	42	58	45,000	35 - 110	-20 - 150	1, 5, 7, 9

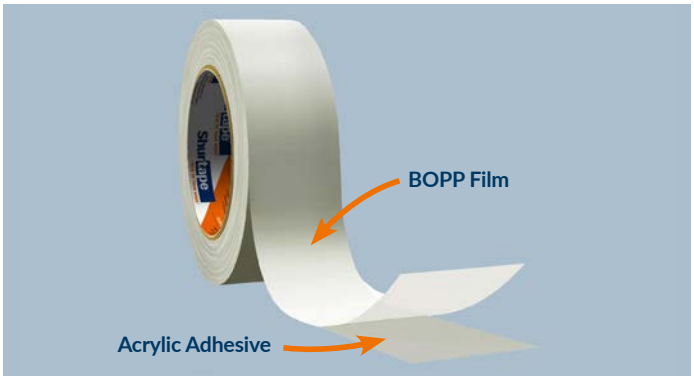
For additional product information and technical data, visit Shurtape.com.

* SEE PAGE 51 FOR APPLICABLE STANDARDS

Acrylic Packaging Tapes

For light to heavy duty applications, Shurtape AP Series acrylic packaging tapes are best suited for manual application and are designed to give you the long-lasting performance you demand.

ACRYLIC CONSTRUCTION



Acrylic packaging tapes are constructed with a layer of acrylic adhesive on BOPP film backing.

- **Adhesive**
  Acrylic adhesives offer high tack and are very stable by nature, making them ideal for hard-to-stick-to surfaces or long-term storage.
- **Backing**
  BOPP film offers excellent tear resistance, good dimensional stability for application, and flexibility for conformability to the carton.

HIGH TACK

A tape's **tack** is the measurement of the adhesive's ability to flow into a surface. Acrylic adhesives are more liquid-like, allowing them to flow and wet out. The adhesive flow requires additional **dwell time**, but allows for penetration into dirty, dusty or other hard-to-stick-to surfaces.

EXTREME TEMPERATURES

Acrylic adhesives are stable by nature and have a low freezing point, allowing for performance in wide temperature ranges.

LONG-TERM PERFORMANCE

Acrylic adhesives offer excellent long-term performance as they are capable of withstanding temperature swings and won't degrade over time.

*See glossary on page IV for information on bolded terms.

WATER-BASED ACRYLIC TAPES

AP 101®

GENERAL PURPOSE GRADE
25 MICRON CAST BOPP FILM
EMULSION ACRYLIC ADHESIVE

TENSILE (LBS/IN WIDTH)	20
ADHESION TO STAINLESS STEEL (OZ/IN WIDTH)	19
THICKNESS (MILS)	1.6
ELONGATION (%)	150
APPLICATION TEMPERATURE RANGE (°F)	20 - 110
SERVICE TEMPERATURE RANGE (°F)	-20 - 180
APPLICABLE STANDARDS*	9

For closure of lightweight cartons in manual and automated industrial sealing settings.

UV RESISTANT

AP 180®

PRODUCTION GRADE
25 MICRON CAST BOPP FILM
EMULSION ACRYLIC ADHESIVE

TENSILE (LBS/IN WIDTH)	20
ADHESION TO STAINLESS STEEL (OZ/IN WIDTH)	21
THICKNESS (MILS)	1.8
ELONGATION (%)	150
APPLICATION TEMPERATURE RANGE (°F)	20 - 110
SERVICE TEMPERATURE RANGE (°F)	-20 - 180
APPLICABLE STANDARDS*	9

For manual and automated industrial sealing of lightweight cartons.

UV RESISTANT

AP 201®

PRODUCTION GRADE
28 MICRON CAST BOPP FILM
EMULSION ACRYLIC ADHESIVE

TENSILE (LBS/IN WIDTH)	24
ADHESION TO STAINLESS STEEL (OZ/IN WIDTH)	22
THICKNESS (MILS)	2.0
ELONGATION (%)	150
APPLICATION TEMPERATURE RANGE (°F)	20 - 110
SERVICE TEMPERATURE RANGE (°F)	-20 - 180
APPLICABLE STANDARDS*	9

For manual and automated industrial sealing of light- to medium-weight cartons.

UV RESISTANT COLD TEMP

AP 235

RECYCLED CARTONS
PRODUCTION GRADE
28 MICRON CAST BOPP FILM
EMULSION ACRYLIC ADHESIVE

TENSILE (LBS/IN WIDTH)	23
ADHESION TO STAINLESS STEEL (OZ/IN WIDTH)	41
THICKNESS (MILS)	2.0
ELONGATION (%)	150
APPLICATION TEMPERATURE RANGE (°F)	20 - 110
SERVICE TEMPERATURE RANGE (°F)	-20 - 180
APPLICABLE STANDARDS*	9

For manual and automated industrial sealing of medium-weight, highly recycled cartons, particularly 100 percent recycled; Ideal for cold temperature environments such as food processing and packaging facilities.

UV RESISTANT COLD TEMP GOOD TO THE CORE HOLD STRONG

AP 301®

PERFORMANCE GRADE
35 MICRON CAST BOPP FILM
EMULSION ACRYLIC ADHESIVE

TENSILE (LBS/IN WIDTH)	27
ADHESION TO STAINLESS STEEL (OZ/IN WIDTH)	28
THICKNESS (MILS)	2.2
ELONGATION (%)	150
APPLICATION TEMPERATURE RANGE (°F)	20 - 110
SERVICE TEMPERATURE RANGE (°F)	-20 - 180
APPLICABLE STANDARDS*	9

For manual and automated industrial sealing of medium-weight cartons in extreme temperature environments or subjected to handling stress.

UV RESISTANT COLD TEMP

AP 401®

HIGH PERFORMANCE GRADE
40 MICRON CAST BOPP FILM
EMULSION ACRYLIC ADHESIVE

TENSILE (LBS/IN WIDTH)	30
ADHESION TO STAINLESS STEEL (OZ/IN WIDTH)	31
THICKNESS (MILS)	2.5
ELONGATION (%)	150
APPLICATION TEMPERATURE RANGE (°F)	20 - 110
SERVICE TEMPERATURE RANGE (°F)	-20 - 180
APPLICABLE STANDARDS*	9

For heavy duty manual and automated industrial sealing of cartons exposed to extreme temperatures, rough handling and load stress; Also used for critical closure of bulky packages.

UV RESISTANT COLD TEMP

* SEE PAGE 51 FOR APPLICABLE STANDARDS

SOLVENT-BASED ACRYLIC TAPES

PP 802

PREMIUM PLUS GRADE
25 MICRON CAST BOPP FILM
SOLVENT-BASED ACRYLIC ADHESIVE

TENSILE (LBS/IN WIDTH)	22
ADHESION TO STAINLESS STEEL (OZ/IN WIDTH)	25
THICKNESS (MILS)	2.0
ELONGATION (%)	140
APPLICATION TEMPERATURE RANGE (°F)	20 - 110
SERVICE TEMPERATURE RANGE (°F)	-20 - 180
APPLICABLE STANDARDS*	7

For light to medium duty sealing, repairing and bundling of corrugated cartons, paper and film containers; Use with a hand-held or machine dispenser.

PP 810

PREMIUM GRADE
25 MICRON CAST BOPP FILM
SOLVENT-BASED ACRYLIC ADHESIVE

TENSILE (LBS/IN WIDTH)	22
ADHESION TO STAINLESS STEEL (OZ/IN WIDTH)	22
THICKNESS (MILS)	1.8
ELONGATION (%)	140
APPLICATION TEMPERATURE RANGE (°F)	20 - 110
SERVICE TEMPERATURE RANGE (°F)	-20 - 180
APPLICABLE STANDARDS*	7

For sealing light- to medium-weight cartons in everyday shipping and handling environments; Also used for bundling and securing loose objects; Can also be used to repair corrugated cartons, paper and film containers; Use with a hand-held dispenser.

PP 815

HEAVY DUTY GRADE
40 MICRON CAST BOPP FILM
SOLVENT-BASED ACRYLIC ADHESIVE

TENSILE (LBS/IN WIDTH)	26
ADHESION TO STAINLESS STEEL (OZ/IN WIDTH)	28
THICKNESS (MILS)	2.6
ELONGATION (%)	140
APPLICATION TEMPERATURE RANGE (°F)	20 - 110
SERVICE TEMPERATURE RANGE (°F)	-20 - 180
APPLICABLE STANDARDS*	7

For critical sealing and repairing of corrugated containers in hot and cold environments; Use with a hand-held dispenser.

Acrylic Tapes Technical Data

Product Type	Tape Grade	Backing Type	Total Thickness (mils)	Tensile (lbs/in width)	Adhesion to Stainless Steel (oz/in width)	Application Temp Range (°F)	Service Temp Range (°F)	Applicable Standards
WATER-BASED ACRYLIC TAPES								
AP 101®	General Purpose Grade	25 micron BOPP	1.6	20	19	20 - 110	-20 - 180	9
AP 180®	Production Grade	25 micron BOPP	1.8	20	21	20 - 110	-20 - 180	9
AP 201®	Production Grade	28 micron BOPP	2.0	24	22	20 - 110	-20 - 180	9
AP 235	Recycled Cartons, Production Grade	28 micron BOPP	2.0	23	41	20 - 110	-20 - 180	9
AP 301®	Performance Grade	35 micron BOPP	2.2	27	28	20 - 110	-20 - 180	9
AP 401®	High Performance Grade	40 micron BOPP	2.5	30	31	20 - 110	-20 - 180	9
SOLVENT-BASED ACRYLIC TAPES								
PP 802	Premium Plus Grade	25 micron BOPP	2.0	22	25	20 - 110	-20 - 180	7
PP 810	Premium Grade	25 micron BOPP	1.8	22	22	20 - 110	-20 - 180	7
PP 815	Heavy Duty Grade	40 micron BOPP	2.6	26	28	20 - 110	-20 - 180	7

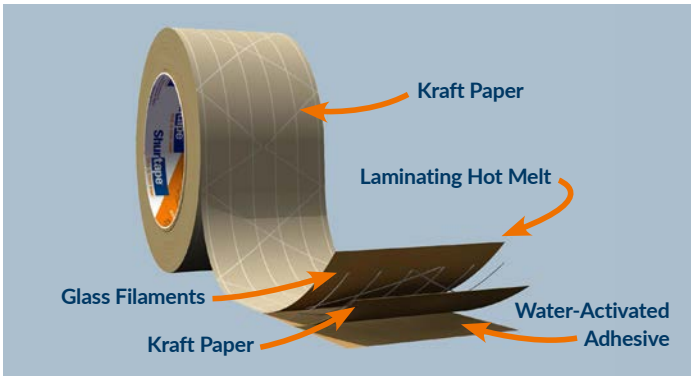
For additional product information and technical data, visit Shurtape.com.

* SEE PAGE 51 FOR APPLICABLE STANDARDS

Water-Activated Tapes

Designed for use in fast-paced fulfillment operations, ecommerce and industrial manufacturing where content security and ease of use are top of mind. Ideal for single parcel shipments, water-activated tapes offer a quick, permanent bond and become “one with the box” to produce tamper-evident seals that can withstand the rigors of the supply chain.

WATER-ACTIVATED CONSTRUCTION



Water-activated tapes consist of 5 layers: kraft paper, laminating hot melt, glass filaments, kraft paper and water activated adhesive.

- **Adhesive**
  Starch-based adhesive flows exceptionally well into corrugated surfaces, forming a permanent bond to prevent pilferage. Requires the use of a tabletop dispenser that wets and activates the adhesive, dispensing a preset length of tape.
- **Backing**
  Filament-reinforced paper backing provides conformability for easy application and extra strength to deliver content security throughout the supply chain. The paper backing is also **printable**, providing an economical way to present a brand or handling instructions.

WATER-ACTIVATED TAPES

GP 100

MEDIUM DUTY GRADE
NON-REINFORCED KRAFT PAPER
WATER ACTIVATED ADHESIVE

PAPER SHEET (LBS)	60
MD TENSILE (LBS/IN WIDTH)	45
CD TENSILE (LBS/IN WIDTH)	23
APPLICABLE STANDARDS*	-

For light- to medium-weight packaging applications such as inner carton sealing or palletized loads.

WP 100

ECONOMY GRADE
REINFORCED KRAFT PAPER
(MD) H110/(CD) G150 FIBERGLASS
WATER ACTIVATED ADHESIVE

MD TENSILE (LBS/IN WIDTH)	55
CD TENSILE (LBS/IN WIDTH)	25
TOP SHEET (LBS)	23
BOTTOM SHEET (LBS)	23
MD PATTERN	1-1-1-1-1
MD SPACING (IN)	5/8
CD SPACING (IN)	1.25
APPLICABLE STANDARDS*	-

For sealing light- to medium-weight cartons up to 25 lbs with normal exposure to handling, shipping and load stress.

WP 200

PRODUCTION GRADE
REINFORCED KRAFT PAPER
(MD) G75/(CD) G150 FIBERGLASS
WATER ACTIVATED ADHESIVE

MD TENSILE (LBS/IN WIDTH)	60
CD TENSILE (LBS/IN WIDTH)	27
TOP SHEET (LBS)	23
BOTTOM SHEET (LBS)	23
MD PATTERN	1-1-1-1-1
MD SPACING (IN)	1/2
CD SPACING (IN)	1.25
APPLICABLE STANDARDS*	-

For sealing medium-weight cartons up to 35 lbs in normal manufacturing and shipping environments; Ideal for single parcel shipments.

WP 300

HEAVY DUTY GRADE
REINFORCED KRAFT PAPER
(MD) G75/(CD) G150 FIBERGLASS
WATER ACTIVATED ADHESIVE

MD TENSILE (LBS/IN WIDTH)	75
CD TENSILE (LBS/IN WIDTH)	30
TOP SHEET (LBS)	23
BOTTOM SHEET (LBS)	23
MD PATTERN	2-1-1-1-1-2
MD SPACING (IN)	7/16
CD SPACING (IN)	1.25
APPLICABLE STANDARDS*	15

For critical closure of heavy-weight cartons up to 45 lbs in all environments; Ideal for single parcel shipments.

WP 400

EXTRA HEAVY DUTY GRADE
REINFORCED KRAFT PAPER
(MD) G75/(CD) G150 FIBERGLASS
WATER ACTIVATED ADHESIVE

MD TENSILE (LBS/IN WIDTH)	80
CD TENSILE (LBS/IN WIDTH)	35
TOP SHEET (LBS)	23
BOTTOM SHEET (LBS)	30
MD PATTERN	2-2-1-2-2
MD SPACING (IN)	19/32
CD SPACING (IN)	0.75
APPLICABLE STANDARDS*	15

For sealing large, bulky or heavy content cartons over 50 lbs in moderate to severe handling environments; Ideal for single parcel shipments.

CUSTOM PRINT

REINFORCED KRAFT PAPER
WATER ACTIVATED ADHESIVE

For sealing lightweight to large, bulky or heavy cartons in normal to severe handling environments; Ideal for single parcel shipments; Custom printed with logo or message for delivery of goods without pilferage.

Available in a variety of grades, including WP 150, WP 250, WP 350 and WP 450.

Visit Shurtape.com or contact your Shurtape Sales Representative for more details.

* SEE PAGE 51 FOR APPLICABLE STANDARDS

Water-Activated Tapes Technical Data

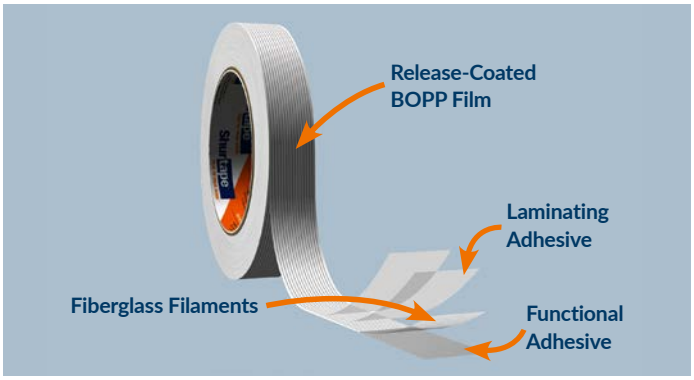
Product Type	Tape Grade	Backing Type	Fiberglass Utilized	MD Tensile (lbs/in width)	CD Tensile (lbs/in width)	Top Sheet (lbs)	Bottom Sheet (lbs)	MD Filament Pattern	Max Carton Weight (lbs)	Applicable Standards
NON-REINFORCED WATER ACTIVATED TAPES										
GP 100	Medium Duty	Non-reinforced kraft paper	-	45	23	60	-	-	-	-
REINFORCED WATER-ACTIVATED TAPES										
WP 100	Economy Grade	Reinforced kraft paper	(MD) H110/ (CD) G150	55	25	23	23	1-1-1-1-1	25	-
WP 200	Production Grade	Reinforced kraft paper	(MD) G75/ (CD) G150	60	27	23	23	1-1-1-1-1	35	-
WP 300	Heavy Duty Grade	Reinforced kraft paper	(MD) G75/ (CD) G150	75	30	23	23	2-1-1-1-1-2	45	15
WP 400	Extra Heavy Duty Grade	Reinforced kraft paper	(MD) G75/ (CD) G150	80	35	23	30	2-2-1-2-2	50+	15
CUSTOM MESSAGE - PRINTED WATER-ACTIVATED TAPES										
WP 150	Economy Grade	Reinforced kraft paper	(MD) H110/ (CD) G150	55	25	23	23	1-1-1-1-1	25	-
WP 250	Production Grade	Reinforced kraft paper	(MD) G75/ (CD) G150	60	27	23	23	1-1-1-1-1	35	-
WP 350	Heavy Duty Grade	Reinforced kraft paper	(MD) G75/ (CD) G150	75	30	23	23	2-1-1-1-1-2	45	15
WP 450	Extra Heavy Duty Grade	Reinforced kraft paper	(MD) G75/ (CD) G150	80	35	23	30	2-2-1-2-2	50+	15

For additional product information and technical data, visit Shurtape.com.

Strapping Tapes

GS Series strapping tapes are engineered to keep pallets and bundles intact — whether it's a rough ride on a semi or a transcontinental flight. For added durability and performance, they are reinforced with fiberglass filaments that prevent breaking or tearing.

STRAPPING TAPE CONSTRUCTION



GS Series tapes are built with a fiberglass reinforced BOPP film backing and hot melt adhesive.

- **Adhesive**
  GS Series strapping tapes utilize the same hot melt adhesive as our HP Series tapes, providing high adhesion and holding power.
- **Backing**
  BOPP film reinforced with fiberglass filaments that provide shock resistance and exceptional **tensile strength** in high-stress applications.

VERSATILE USE

GS Series strapping tapes can be used in a wide range of applications, from reinforcing sealed cartons and unitizing palletized loads to bundling and securing goods. They are also used in other processes such as furniture manufacturing and pipe coating.

* SEE PAGE 51 FOR APPLICABLE STANDARDS

STRAPPING TAPES

GS 490

ECONOMY GRADE
CAST BOPP FILM
SYNTHETIC HOT MELT ADHESIVE
FIBERGLASS REINFORCED

TENSILE (LBS/IN WIDTH)	100
ADHESION TO STAINLESS STEEL (OZ/IN WIDTH)	70
THICKNESS (MILS)	4.5
ELONGATION (%)	3.7
SERVICE TEMPERATURE RANGE (°F)	-10 - 150
APPLICABLE STANDARDS*	9

For light duty strapping, packaging, bundling and palletizing applications.

GS 500

UTILITY GRADE
CAST BOPP FILM
SYNTHETIC HOT MELT ADHESIVE
FIBERGLASS REINFORCED

TENSILE (LBS/IN WIDTH)	150
ADHESION TO STAINLESS STEEL (OZ/IN WIDTH)	70
THICKNESS (MILS)	5.2
ELONGATION (%)	3.7
SERVICE TEMPERATURE RANGE (°F)	-10 - 150
APPLICABLE STANDARDS*	9

For general purpose strapping, packaging, bundling and palletizing jobs.

GS 501

INDUSTRIAL GRADE
CAST BOPP FILM
SYNTHETIC HOT MELT ADHESIVE
FIBERGLASS REINFORCED

TENSILE (LBS/IN WIDTH)	175
ADHESION TO STAINLESS STEEL (OZ/IN WIDTH)	70
THICKNESS (MILS)	5.4
ELONGATION (%)	3.7
SERVICE TEMPERATURE RANGE (°F)	-10 - 150
APPLICABLE STANDARDS*	9

For medium duty strapping, packaging, bundling and palletizing applications.

GS 521

HIGH PERFORMANCE GRADE
CAST BOPP FILM
SYNTHETIC HOT MELT ADHESIVE
FIBERGLASS REINFORCED

TENSILE (LBS/IN WIDTH)	300
ADHESION TO STAINLESS STEEL (OZ/IN WIDTH)	70
THICKNESS (MILS)	6.3
ELONGATION (%)	3.7
SERVICE TEMPERATURE RANGE (°F)	-10 - 150
APPLICABLE STANDARDS*	2, 9

For heavy duty closing, strapping, packaging, bundling, unitizing, palletizing and L-Clip applications.

PS 748

UTILITY GRADE
TENSILIZED MOPP FILM
EMULSION ACRYLIC ADHESIVE

TENSILE (LBS/IN WIDTH)	100
ADHESION TO STAINLESS STEEL (OZ/IN WIDTH)	34
THICKNESS (MILS)	2.8
ELONGATION (%)	30
SERVICE TEMPERATURE RANGE (°F)	0 - 250
APPLICABLE STANDARDS*	-

For light duty strapping, packaging, bundling and palletizing applications.

Strapping Tapes Technical Data

Product Type	Tape Grade	Backing Type	Total Thickness (mils)	Tensile (lbs/in width)	Adhesion to Stainless Steel (oz/in width)	Application Temp Range (°F)	Service Temp Range (°F)	Applicable Standards
FIBERGLASS REINFORCED HOT MELT STRAPPING TAPES								
GS 490	Economy Grade	Filament Reinforced BOPP	4.3	100	70	35 - 110	-10 - 150	9
GS 500	Utility Grade	Filament Reinforced BOPP	5.0	150	70	35 - 110	-10 - 150	9
GS 501	Industrial Grade	Filament Reinforced BOPP	5.2	175	70	35 - 110	-10 - 150	9
GS 521	High Performance Grade	Filament Reinforced BOPP	6.3	300	70	35 - 110	-10 - 150	2, 9
TENSILIZED ACRYLIC STRAPPING TAPES								
PS 748	Utility Grade	Tensilized MOPP Film	2.8	100	34	-	0 - 250	-

For additional product information and technical data, visit Shurtape.com.

* SEE PAGE 51 FOR APPLICABLE STANDARDS

OFFICE & SPECIALTY TAPES

CT 109

GENERAL PURPOSE GRADE
CELLULOSE FILM
NATURAL RUBBER ADHESIVE

TENSILE (LBS/IN WIDTH)	22
ADHESION TO STAINLESS STEEL (OZ/IN WIDTH)	35
THICKNESS (MILS)	1.7
ELONGATION (%)	18
MAXIMUM SERVICE TEMPERATURE (°F)	265
APPLICABLE STANDARDS*	6

For use with a hand dispenser to seal cartons with recycled fiber content, heavy ink coverage or rough surfaces.

VF 719

GENERAL PURPOSE GRADE
UPVC FILM
NATURAL RUBBER ADHESIVE

TENSILE (LBS/IN WIDTH)	23
ADHESION TO STAINLESS STEEL (OZ/IN WIDTH)	13
THICKNESS (MILS)	1.9
ELONGATION (%)	60
MAXIMUM SERVICE TEMPERATURE (°F)	150
APPLICABLE STANDARDS*	8

For use with a hand dispenser to seal cartons with recycled fiber content, heavy ink coverage or rough surfaces.

AP 15

SHIPPING GRADE
25 MICRON CAST BOPP FILM
EMULSION ACRYLIC ADHESIVE

TENSILE (LBS/IN WIDTH)	20
ADHESION TO STAINLESS STEEL (OZ/IN WIDTH)	19
THICKNESS (MILS)	1.6
ELONGATION (%)	150
APPLICATION TEMPERATURE RANGE (°F)	20 - 110
SERVICE TEMPERATURE RANGE (°F)	-20 - 180
APPLICABLE STANDARDS*	9

For protecting shipping labels and other printed surfaces against weather and handling.

UV RESISTANT

PP 808

GENERAL PURPOSE GRADE
UPVC FILM
NATURAL RUBBER ADHESIVE

TENSILE (LBS/IN WIDTH)	27
ADHESION TO STAINLESS STEEL (OZ/IN WIDTH)	24
THICKNESS (MILS)	2.1
ELONGATION (%)	60
MAXIMUM SERVICE TEMPERATURE (°F)	150
APPLICABLE STANDARDS*	-

For lightweight bag sealing, banding, bundling and packaging applications; Also used for color-coding tasks.

PP 807

PREMIUM GRADE
25 MICRON CAST BOPP FILM
SOLVENT-BASED ACRYLIC ADHESIVE

TENSILE (LBS/IN WIDTH)	20
ADHESION TO STAINLESS STEEL (OZ/IN WIDTH)	23
THICKNESS (MILS)	1.8
ELONGATION (%)	140
APPLICATION TEMPERATURE RANGE (°F)	20 - 110
SERVICE TEMPERATURE RANGE (°F)	-20 - 180
APPLICABLE STANDARDS*	-

For moisture-proof protection of labels and handling instructions; Also used for industrial and production laminating, joining, covering and protecting jobs.

HOT MELT GLUES

HG 200

ETHYL VINYL ACETATE (EVA)
GOOD HEAT STABILITY

VISCOSITY	1000 CPS (+/- 200) @ 350
SOFTENING POINT	230
APPLICATION TEMPERATURE RANGE (°F)	325 - 350

For standard case sealing of uncoated cases; Compatible with most automated or semi-automated hot melt glue equipment used for carton sealing.

HG 232

ETHYL VINYL ACETATE (EVA)
LOW MELT
LESS CHAR

VISCOSITY	900 CPS (+/- 180) @ 275
SOFTENING POINT	162
APPLICATION TEMPERATURE RANGE (°F)	250 - 300

For use when sealing secondary packages in lower temperature, colder environments; Compatible with most automated or semi-automated hot melt glue equipment used for carton sealing.

HG 235

METALLOCENE (MET)
HIGH STABILITY
HIGH CLARITY

VISCOSITY	900 CPS (+/- 180) @ 350
SOFTENING POINT	227
APPLICATION TEMPERATURE RANGE (°F)	325 - 360

For use when sealing hard-to-stick-to corrugated surfaces; Compatible with most automated or semi-automated hot melt glue equipment used for carton sealing.

Office & Specialty Tapes Technical Data

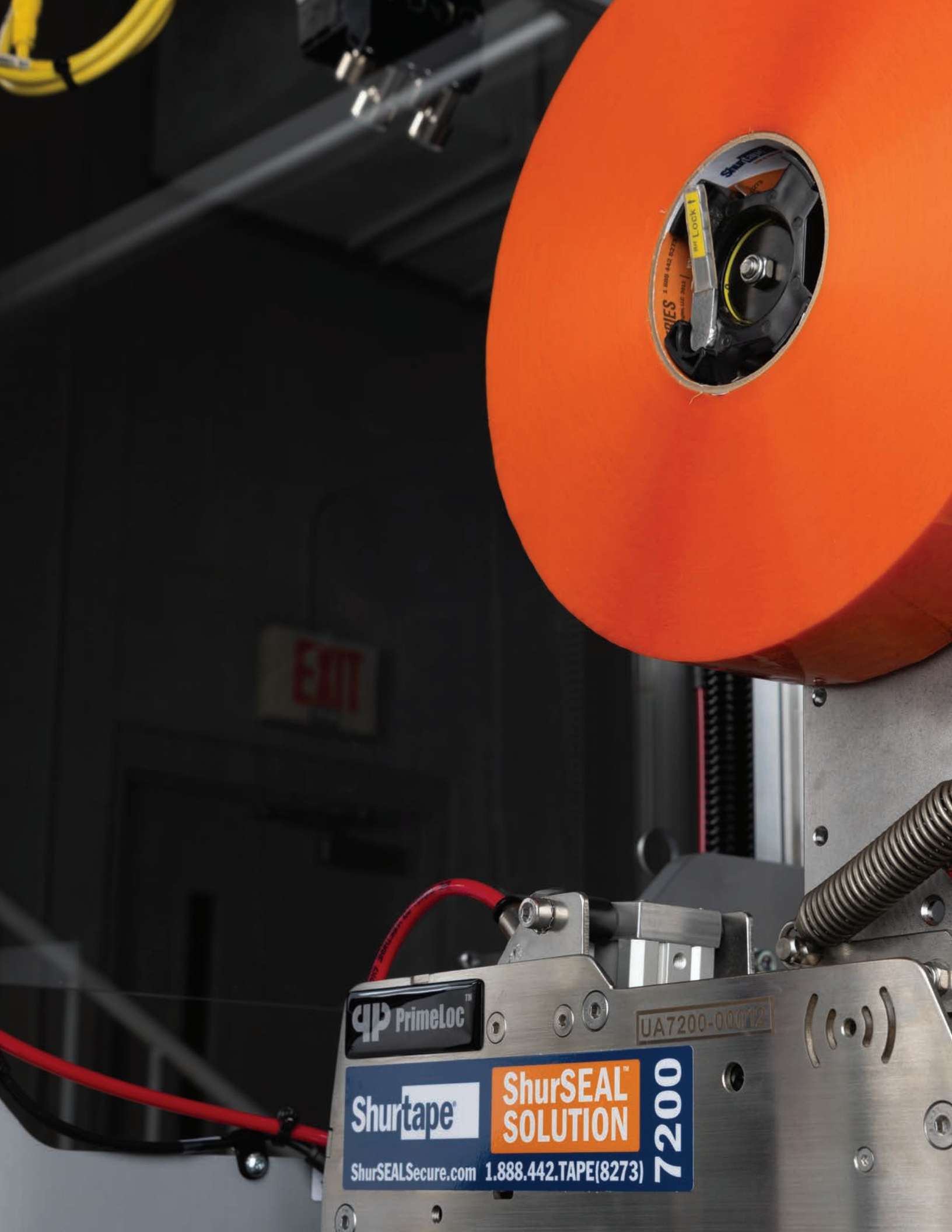
Product Type	Tape Grade	Backing Type	Adhesive Type	Total Thickness (mils)	Tensile (lbs/in width)	Adhesion to Stainless Steel (oz/in width)	Elongation (%)	Application Temp Range (°F)	Max Service Temp Range (°F)	Applicable Standards
OFFICE & SPECIALTY TAPES										
CT 109	General Purpose Grade	Cellulose Film	Natural Rubber	1.7	22	35	18	-	265	6
VF 719	General Purpose Grade	Printable UPVC Film	Natural Rubber	1.9	23	13	60	-	150	8
AP 15	Shipping Grade	25 micron BOPP	Emulsion Acrylic	1.6	20	19	150	20 - 110	-20 - 180	9
PP 808	General Purpose Grade	UPVC Film	Natural Rubber	2.1	27	24	60	-	150	-
PP 807	Premium Grade	25 micron BOPP	Solvent Acrylic	1.8	20	23	140	20 - 110	-20 - 180	-

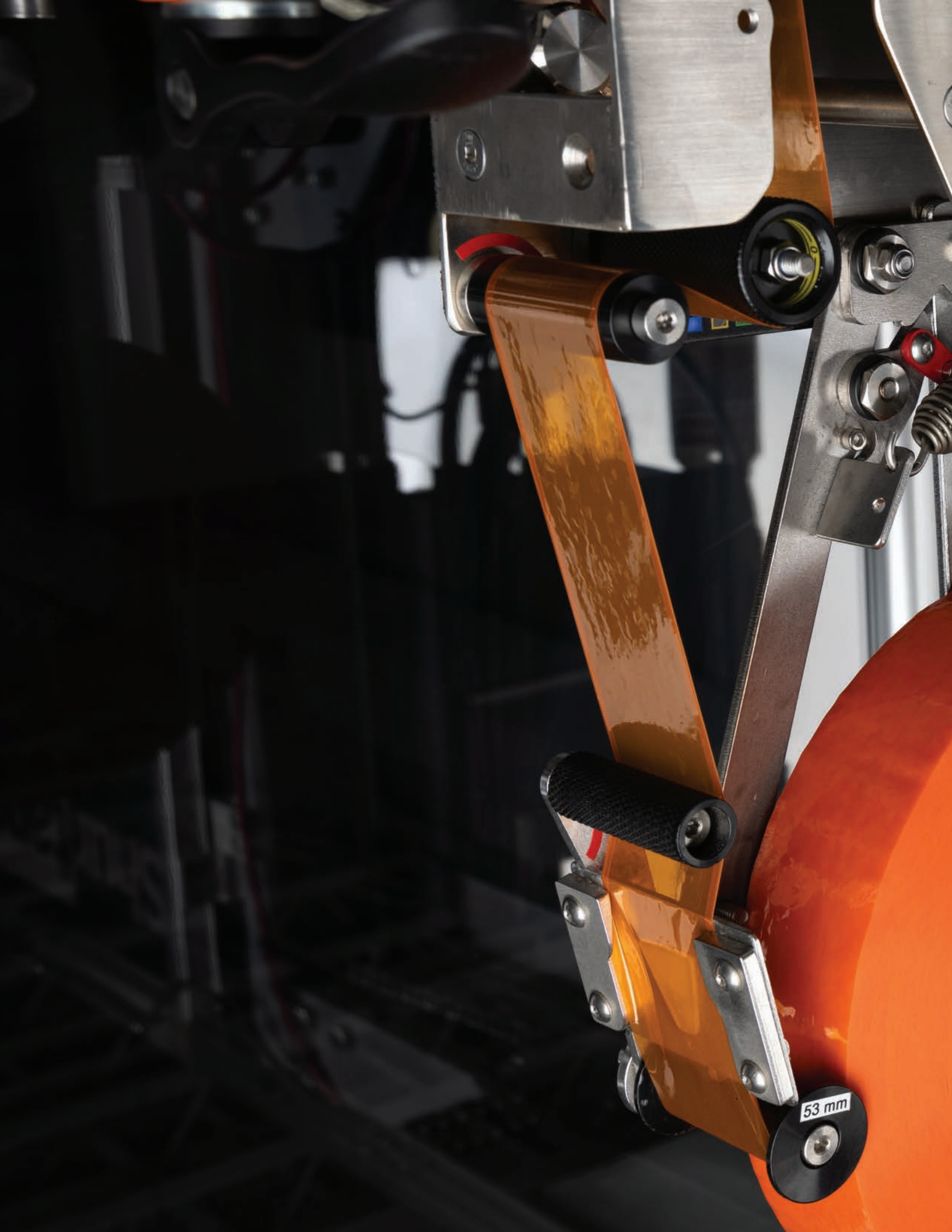
Hot Melt Glues Technical Data

Product Type	Glue Type	Viscosity	Softening Point (°F)	Application Temp Range (°F)
HOT MELT GLUES				
HG 200	EVA	1000 cps (+/- 200) @ 350	230	325 - 350
HG 232	EVA Low Temp	900 cps (+/- 180) @ 275	162	250 - 300
HG 235	MET	900 cps (+/- 180) @ 350	227	325 - 360

For additional product information and technical data, visit Shurtape.com.

* SEE PAGE 51 FOR APPLICABLE STANDARDS


EXIT
PrimeLoc™
UA7200-00012
Shurtape
ShurSEAL™
SOLUTION
ShurSEALSecure.com 1.888.442.TAPE(8273)
7200


53 mm


PrimeLoc
Shurtape
ShurSEAL SOLUTION
ShurSEALSecure.com 1.888.442.TAPE(8273)
7200

PACKAGING EQUIPMENT SOLUTIONS

We understand the challenges you face.

That unsecure carton seals can cause problems along the supply chain, resulting in production issues, downtime and higher costs due to reworks, in addition to increasing the risk of product damage, contamination and theft cause by cartons popping open. That's why we pair our high-performance packaging tapes with innovative packaging equipment to deliver packaging solutions for **the way you do business.**

Shurtape®
TRUE TO YOUR WORK®

TAPE APPLICATORS

SHURSEAL®

EASY TO RETROFIT
Seamless integration with case erectors and sealers

KNIFELESS OPENING CASE SEALS
With Folded Edge® Technology

PRIMEALERT™ FUNCTIONALITY
Minimizes downtime by alerting operators of issues

OPEN DESIGN
Easy tape threading

MULTIPLE WIPE-DOWN POINTS
Full use of the tape's adhesive

RIGHTSIZE TAPE LENGTH
Reduce tape use while maintaining secure seals

Purpose-Built for Secure Seals, Every Time™.
The ShurSEAL® Packaging Solution is an automated case sealing system that combines high-performance Shurtape® HP Series packaging tape with innovative tape application technology. Designed to reduce material waste, downtime and maintenance costs, while increasing safety and content security, ShurSEAL delivers consistent and secure seals, carton after carton — to keep you running at peak production.

ShurSEAL®
PACKAGING SOLUTIONS

7000 SERIES

7000 Series Tape Applicators feature:

- Easy retrofit into existing erectors and sealers
- Stainless steel wash-down ready construction
- Open design for easy threading
- Front and rear tape tab adjustments
- Good to the Core® tape for less material waste
- Consistent seals at speeds up to 200 fpm
- Multiple wipe-down points for full use of the tape's adhesive
- Available with PrimeAlert™ Tape Monitoring System
- Folded Edge Technology also available

8000 SERIES (QUICK CHANGE)

8000 Series Quick Change Sealing System is uniquely engineered to tackle the downtime associated with slow tape roll changeovers, while offering all the benefits of the 7000 Series Applicators:

- Tape roll changes in less than 10 seconds
- Interchangeable inserts allow for easy offline threading
- Lightweight inserts reduce operator strain and lifting
- Retrofits to existing erectors and sealers
- Available with PrimeAlert™ Tape Monitoring System
- Folded Edge Technology also available

Underfilled Assist (UA) Technology

Allows for the automated case sealing of cartons that traditionally get jammed during the taping process due to the regular slotted cartons (RSC) lacking support for the major flaps. Extreme underfill, thin corrugated, tall/tippy boxes, etc.

- Pneumatic underfilled-assist technology
- Increased throughput speeds of existing case sealer
- Automated difficult to process cartons, especially those that are underfilled
- Increased performance in ecommerce fulfillment operations

Folded Edge® Technology

A patented feature on the tape applicator, Folded Edge Technology folds the edges of the tape as it's applied, reinforcing seal strength and creating a ready to open seal that doesn't require a knife.

Knifeless: Cartons will have an easy, no-knife opening, reducing the risk of product damage and injury to employees and customers alike.

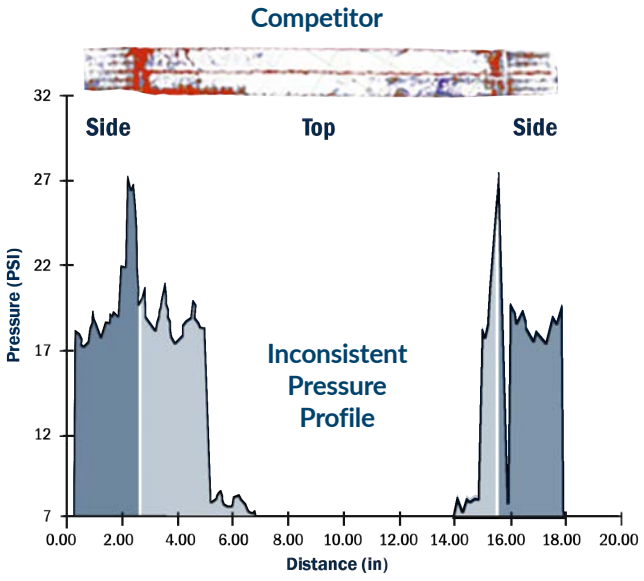
Reliable: Cartons will have consistent tape application, resulting in better product throughput.

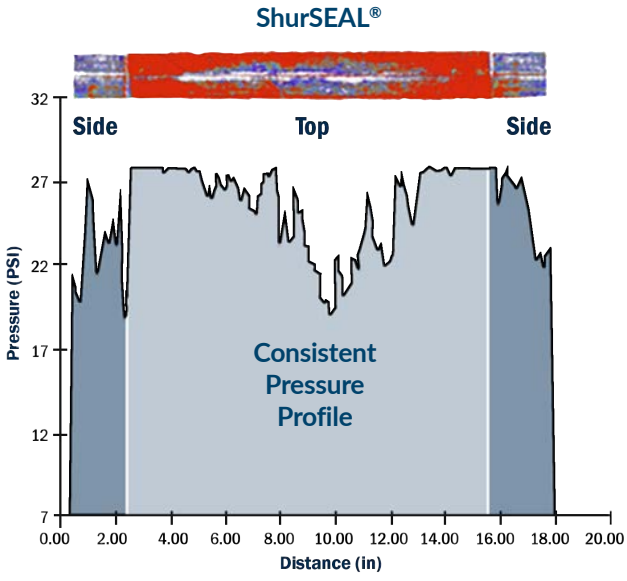
Secure: Cartons will have increased seal strength along the edges of the tape and at the major flaps to add security and reduce the risk of contamination during storage and transit.

Enhanced Wipe-Down

Proper wipe-down pressure drives the tape's adhesive into the surface, allowing the adhesive to entangle itself deep within the fibers of the carton to create a secure seal.

The image below depicts the amount of pressure that would be applied to a piece of tape on an under-filled carton, with the red signifying a significant amount of wipe-down pressure. ShurSEAL® Packaging Solutions are designed with multiple wipe-down mechanisms that generate a more consistent pressure profile for secure seals, compared to competitive application technology designed with rollers that often cannot generate the pinpoint load needed to fully engage the tape's adhesive.

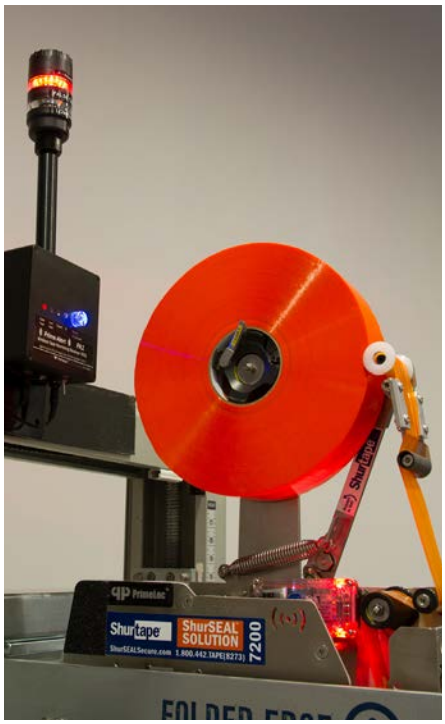




PrimeAlert™ Tape Management System

PrimeAlert is a self-contained, wireless and self-recharging **tape management system** that easily retrofits with ShurSEAL® Packaging Solutions into existing packaging machinery. The system provides audible and visual alerts to signal line operators if any of the following faults occur:

- Low tape
- No/missing tape
- Broken tape
- Uncut tape
- Case jam

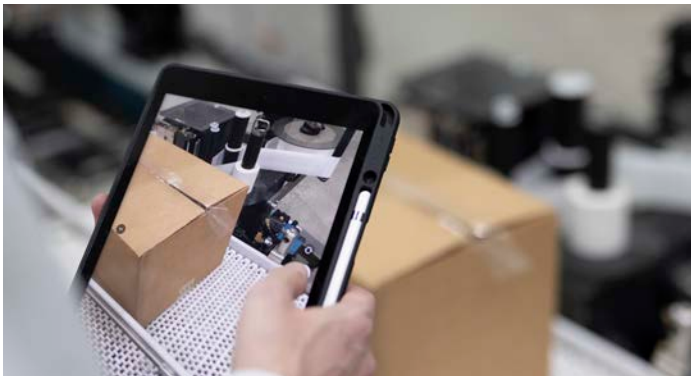


PrimeAlert is available as a stand-alone unit with the additional options of a light tree for increased visibility and/or integration into an existing PLC system to shut down conveyors and prevent missed or faulty seals from reaching palletization.

A tape management system mitigates downtime by alerting operators as soon as a problem occurs, allowing them to replenish a consumed tape roll or troubleshoot the system before issues get out of hand. With PrimeAlert in place, you can stop worrying about case seals and start putting your attention to other things.

Case Sealing Evaluation

A case sealing evaluation is a process that generates a simple, data-based report that compares your "current state" case packing, sealing and palletizing operations to that same operation with a ShurSEAL automated case sealing solution installed.



During this evaluation, our packaging experts identify issues that could be negatively impacting your bottom line, including:

- Tape usage/waste: including the amount of tape used per case, as well as discarded due to application issues or tape not running down to the core
- Tape application defects: including no tape, broken tape, loose tape, uncut tape and variations in tab lengths
- Machine downtime: to determine root causes such as correction of tape application defects, tape jams and tape roll changeovers
- Manual labor: associated with reworking improperly taped cases, clearing tape jams and tape roll changeovers

The evaluation is completed in a single, 8-hour shift so there's minimal interruption to production, and provides quantifiable, real-life data that can be used to improve your case sealing operations. Contact us at *ShurSEALSecure.com* to learn more or to schedule a no cost, no risk evaluation of your case sealing operations.

CASE ERECTORS

FLUID FORM™ CONTROLS
Automated LxWxD robot path generation

ROBOTIC PICK AND PASS
Simplified case motion

ACTIVE CASE SQUARING
Dynamic alignment for uniform square cases

OPPOSING-CUP CASE OPENING
Reliable rack-open

DURABLE, SANITARY FRAME DESIGN
Robust, reliable and hygienic

SAFE AND ERGONOMIC
Operator-friendly

Automated uniform case erectors for forming cartons and cases. Offering minimum complexity for maximum output and effortless set-up with intuitive Fluid Form™ Controls, these case erectors deliver quick and trouble-free changeovers, consistently square cases, fewer wear parts and less maintenance — for maximum operational efficiencies in your end-of-line packaging operations.

Shurtape Case Erectors offer:

- 40-50% fewer parts than competing machines
- Dependable opposing-cup case opening
- Active case squaring for square cases, every time
- Secure Seals, Every Time™
- Models available with both taping and glue capabilities, functions cannot be operated simultaneously

CASE ERECTOR SPECIFICATIONS

	EG20U	ET20U	EG30U	ET30U
Max. Cycle Speed (cpm)	20	20	up to 30	up to 30
Min. Case Size	7" (L) x 4.5" (W) x 4" (D) + Min Flap Length = 2.25" **			
Max. Case Size	24" (L) x 18" (W) x 24" (D) (L+W up to 40") + Max Flap Length = 8.5" **			
Case Types	Regular Slotted Container (RSC) and Half Slotted Containers (HSC)			
Magazine Length	4' (48") Standard		6' (72") Option	
Magazine Capacity	~130 cases; min ~6.5 min. run time		~190 cases; min. ~6.5 min. run time	
Machine Footprint	15.15' x 4.66'	12.90' x 4.66'	17.15' x 4.66'	14.90' x 4.66'
Magazine Height	19" - 25"			
Discharge Height	25" - 28" (adjustable)			
Frame to Floor Clearance	3" to corner posts; 5" to center beam			
Frame	Powder coated tube and plate steel. Clean with all purpose spray cleaner 5-10 pH (non-electrical only)			
Environment	Machine is intended to operate in dry, non-wash down, low-humidity environments			
Max. Ambient Temp.	100 F			
Min. Ambient Temp.	35 F			
Max. Humidity	75% RH			
Changeover Points	12	10	12	10
Changeover Types	HMI input, tool-less, ratchets, clamps, knobs, levers			
Changeover Time	~2.5 to 5 minutes			
Tape Width	NA	2" or 3"	NA	2" or 3"
Sealing System	HM Glue Nordson ProBlue 7	ShurSEAL® Tape Applicator	HM Glue Nordson ProBlue 7	ShurSEAL® Tape Applicator
Vacuum System	Venturi-style			
Guarding	Lexan doors with locking switches - Clean with a soft, damp cloth; Abrasive pads should not be used			
Lubrication	Non-food grade, lifetime lubrication			
NEMA Rating	12			
Electrical Components	Yaskawa Controls, Servos and VFD's (Allen-Bradley Optional)			
Power Requirements	480V 3Ø / 60 HZ			
Electrical Drops	2	1	2	1
Main Electrical Drop	30 AMP rated disconnect; fused for 15 AMP			
Glue Electrical Drop	30 AMP; fused @ 15 AMP	N/A	30 AMP; fused @ 15 AMP	N/A
Est. AMP Loads	14	12	14	12
Air	5.3 SCFM @ 70 psi	5.3 SCFM @ 70 psi	6 SCFM @ 70 psi	6 SCFM @ 70 psi
Machine Efficiency	Case and/or product samples are required to validate size ranges and guarantee speed rates			
Language	Manuals: English; Warning Signs: English; Human Machine Interface (HMI): English			
Spare Parts	Not included; offered as an option			

**Combined minimum/maximum case sizes. Small or large end of ranges may require purchase of special size kit options. Contact Shurtape for more details.

* SEE PAGE 51 FOR APPLICABLE STANDARDS

PACKAGING MACHINES

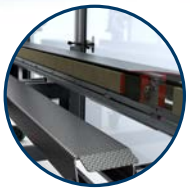
CASE SEALERS

TOUCH-SCREEN CONTROLS
With carton recipe memory

MAJOR FLAP CONTROL
Positive flap engagement for reduced jams

ANSI / PMMI COMPLIANT GUARDING
Operator-friendly access and safety

OPTIONAL CASTERS
For portability and dexterity



SPRING LOADED, SOFT GRIP BELTS
Consistent and reliable case transport

OPTIONAL TOP CAVITY LIFT
Easy access to bottom tape applicator

Automated uniform case sealers capable of handling a large variety of case sizes and configurations. These case sealers are safe, simple, accessible and packed with functionality, including major flap management for reduced case jams and spring-loaded, soft-grip side belts for reliable case transport — because you have no time for downtime.

Shurtape Case Sealers offer:

- Standard 'Smart' sealer controls for easy line integration and command
- Active major flap management for less downtime and higher efficiency
- Spring-loaded side belts for consistent case engagement
- Secure Seals, Every Time™
- Models available with both taping and glue capabilities, functions cannot be operated simultaneously

CASE SEALER SPECIFICATIONS

	SG20U	ST20U	SG30U	ST30U
Max. Cycle Speed (cpm)	20	20	up to 30	up to 30
Min. Case Size	7" (L) x 5" (W) x 5" (D) ** Min. Flap Length = 2.5"			
Max. Case Size	22" (L) x 16" (W) x 17" (D) ** Max. Flap Length = 8"			
Case Types	Regular Slotted Container (RSC) and Half Slotted Containers (HSC)			
Infeed / Discharge Height	22" - 32" (adjustable)			
Machine Footprint	6.9' x 2.7'			
Frame to Floor Clearance	5" – 14" (adjustable)			
Frame	Powder coated, plate steel. Cleaning using all-purpose, spray on cleaner, 5-10 pH (non-electrical only)			
Environment	Machine is intended to operate in dry, non-wash down, low-humidity environments			
Max. Ambient Temp.	100 F			
Min. Ambient Temp.	35 F			
Max. Humidity	75% RH			
Changeover Points	7			
Changeover Types	HMI input, tool-less hand wheels, levers and clamps			
Changeover Time	~2 to 4 minutes			
Tape Width	N/A	2" or 3"	N/A	2" or 3"
Sealing System	HM Glue Nordson ProBlue 4	ShurSEAL® Tape Applicator	HM Glue Nordson ProBlue 4	ShurSEAL® Tape Applicator
Vacuum System	Venturi-style			
Guarding	Lexan doors with electronic switches. Clean with a soft, damp cloth; Abrasive pads should not be used			
Lubrication	Non-food grade, lifetime lubrication			
NEMA Rating	12			
Electrical Components	Yaskawa Controls, Servos and VFD's (Allen-Bradley Optional)			
Power Requirements	480V 3Ø / 60 HZ			
Electrical Drops	2	1	2	1
Main Electrical Drop	30 AMP rated disconnect; fused for 15 AMP			
Glue Electrical Drop	30 AMP; fused @ 15 AMP	N/A	30 AMP; fused @ 15 AMP	N/A
Est. AMP Loads	6.7	1.7	6.7	1.7
Air	4.25 SCFM @ 70 psi	3.5 SCFM @ 70 psi	4.25 SCFM @ 70 psi	3.5 SCFM @ 70 psi
Machine Efficiency	Case and/or product samples are required to validate size ranges and guarantee speed rates			
Language	Manuals: English; Warning Signs: English; Human Machine Interface (HMI): English			
Spare Parts	Not included; offered as an option			

**Combined minimum/maximum case sizes. Smaller length or width sizes optional. Contact Shurtape for more details.

* SEE PAGE 51 FOR APPLICABLE STANDARDS

MANUAL APPLICATORS

FOLDED EDGE® HAND DISPENSERS

Folded Edge Hand Dispensers feature:

- Improved wipe-down force for tamper-evident seals
- Retractable/pivoting safety blade
- Visible tape length indicators for tab length control
- Visible markers for single-strip, straight taping guidance
- Durable, heavy duty design for long-lasting performance
- Available in 2-inch (FE-2) and 3-inch (FE-3) models

MANUAL APPLICATORS

FT 36

PATENTED PISTOL-GRIP FILAMENT TAPE DISPENSER 18, 24 & 36-MM WIDTH USE*

For manual packaging, L-Clipping, C-Clipping, strapping, bundling and palletizing applications.

RECOMMENDED PRODUCTS
GS Series

*Available in 48-MM and 72-MM upon request. Contact your Shurtape Sales Representative for more information.

SD 932

STANDARD GRADE PISTOL-GRIP TAPE DISPENSER WITH ANTI-REVERSE BAR 2-IN WIDTH USE

For manual carton sealing applications.

RECOMMENDED PRODUCTS
AP Series, CR Series, HP Series, PP Series, FP 96, FP 97, FP 202, VF 719

FT 36 & GS Series*
* SEE PAGE 28

SD 934

PROFESSIONAL GRADE PISTOL-GRIP TAPE DISPENSER HIGH-IMPACT HANDLE, METAL FRAME 2-IN WIDTH USE

For manual carton sealing applications.

RECOMMENDED PRODUCTS
AP Series, CR Series, HP Series, PP Series, FP 96, FP 97, FP 202, VF 719

SD 935

PROFESSIONAL GRADE PISTOL-GRIP TAPE DISPENSER HIGH-IMPACT HANDLE, METAL FRAME 3-IN WIDTH USE

For manual carton sealing applications.

RECOMMENDED PRODUCTS
AP Series, CR Series, HP Series, PP Series, FP 96, FP 97, FP 202, VF 719

SD 936

DELUXE SILENCER PISTOL-GRIP TAPE DISPENSER HIGH-IMPACT HANDLE, METAL FRAME 2-IN WIDTH USE

For manual carton sealing applications.

RECOMMENDED PRODUCTS
AP Series, CR Series, HP Series, PP Series, FP 96, FP 97, FP 202, VF 719

* SEE PAGE 51 FOR APPLICABLE STANDARDS

MANUAL APPLICATORS

SD 999

FILAMENT TAPE DISPENSER
METAL-FRAMED
1-IN WIDTH USE

For manual closing, strapping, packaging, bundling and palletizing applications.

RECOMMENDED PRODUCTS
GS Series, PS Series

SD 930

ECONOMY GRADE
CLAMSHELL TAPE DISPENSER
HIGH-IMPACT PLASTIC
2-IN WIDTH USE

For manual packaging applications.

RECOMMENDED PRODUCTS
AP Series, HP Series, PP Series, FP 96, FP 97, FP 202, VF 719

SD 931

LABEL PROTECTION DISPENSER
HIGH-IMPACT PLASTIC
4-IN WIDTH USE

For use on packing lists, sales slips and labels.

RECOMMENDED PRODUCTS
AP 15, PP 807

SD 937

BAG-SEALING DISPENSER
METAL-FRAMED
9-MM WIDTH USE

For single-stroke bag sealing applications.

RECOMMENDED PRODUCTS
PP 808

SD 955

DESKTOP TAPE DISPENSER
HIGH-IMPACT PLASTIC
1-IN WIDTH USE

For mending and light duty splicing tasks. Use with tapes with a 1-in or 3-in inside diameter core.

MANUAL APPLICATORS

E-1

ELECTRONIC GUMMED TAPE DISPENSER
RUGGED CONSTRUCTION
ONE-TOUCH PRESET LENGTHS
1.5 TO 3-IN WIDTH USE

Used to feed, moisten and cut water-activated tape to desired measurement in case sealing applications.

RECOMMENDED PRODUCTS
WP Series

M-1

MANUAL GUMMED TAPE DISPENSER
STEEL CONSTRUCTION
BAKED ENAMEL FINISH
1.5 TO 3-IN WIDTH USE

Used to feed, moisten and cut water-activated tape to desired measurement in case sealing applications.

RECOMMENDED PRODUCTS
WP Series

AUTOMATED APPLICATOR

SP 5000

RETROFIT TAPE HEAD
POWDER COATED STEEL
LEFT OR RIGHT HAND
2 OR 3-IN MODELS AVAILABLE

For industrial automated carton sealing applications; Retrofits into most common case erecting and sealing equipment.

RECOMMENDED PRODUCTS
HP Series and AP Series machine rolls

*Shurtape® is an authorized distributor of Phoenix® gummed tape dispensers

* SEE PAGE 51 FOR APPLICABLE STANDARDS

Frequently Asked Questions

HOW SHOULD I STORE MY PACKAGING TAPE?

Packaging tape (pressure-sensitive, strapping and WAT) should be stored flat with the core facing up. It should be kept in a clean, dry area away from dust, dirt and sun exposure. For best results, tape should be stored between 40 and 80 degrees F and in an area with 40 to 50 percent relative humidity.

WHAT IS THE PROPER WAY TO MANUALLY APPLY PRESSURE-SENSITIVE PACKAGING TAPE?

To ensure secure seals and minimal tape waste, center the tape on the seam of the major flaps of the carton and apply with 2-to-3-inch tape tabs on each side of the carton. Use your hands to firmly wipe down the tape after application for maximum utilization of the tape's adhesive.

WHAT DOES TAPE FAILURE LOOK LIKE?

Cases popping open, tape flagging and tape not sticking are common forms of tape failure. If you can press down on the major flaps of a sealed carton and the tape comes loose, allowing you to slip a hand in unnoticed, that is an indication of failure due to tape not sticking. Likewise, if your seals pop open during storage or transit, or the ends start to flag (or lift) after exposure to an element present in your packaging environment — such as extreme temperatures or high humidity — the tape has failed.

DOES MY PACKAGING TAPE NEED TO 'SET' AFTER APPLICATION?

If you are using acrylic packaging tape, the answer is yes. Acrylic adhesives require dwell time for the adhesive to fully penetrate into the fibers of corrugated cartons. When using an acrylic tape, try to avoid actions that put excessive stress on the tape immediately after sealing. Allowing it to set for a few minutes helps ensure a secure seal. Over time, the bond will become stronger until it reaches maximum adhesion. Hot melt tapes do not require a dwell time.

HOW DOES TAPE QUALITY IMPACT MY CASE SEAL?

A tape that is manufactured well allows lines to run faster and longer. Variables such as inconsistent film thickness, thin adhesive coating and little release coating may hinder the performance of the tape, particularly in automated environments. Make sure your tape manufacturer places its tapes through a rigorous testing process to ensure the consistency of every roll.

HOW IS PACKAGING TAPE TESTED FOR PERFORMANCE?

Performance testing of packaging tape is regulated by the Pressure Sensitive Tape Council (PSTC) and the American Society of Testing and Materials (ASTM). These organizations set the standards for quality testing for tape manufacturers.

Physical testing examines the tape's physical properties of peel, tack and shear — three characteristics that are balanced to produce quality packaging tape. Some of these tests include adhesion to stainless steel, adhesion to fiberboard, shear strength/holding power, tensile strength, elongation and thickness. Each of these rigorous tests ensures that the tape can meet the demands of the job it was designed for and maintain a strong hold without failing.

DOES TAPE TAB LENGTH MATTER?

"Tab length" refers to the length of tape that folds over the edges and adheres to the sides of a carton. This section of tape is critical for ensuring that a carton remains sealed throughout its journey through the supply chain — but it can also be a pesky source of tape waste.

Tabs that are too short can lead to carton seal failures, putting contents at risk of pilferage or damage, and tabs that are too long generate tape waste — the costs of which can quickly add up. A good rule of thumb is to apply 2-to-3-inch tabs on each side of a carton to ensure a secure hold, while cutting back on unnecessary tape use. Automated carton sealers, including ShurSEAL® automated tape applicators, commonly allow for tape tab length adjustment so you can be sure to have the ideal tab length with each carton seal.

Frequently Asked Questions

HOW DO I "RIGHTSIZE" MY PACKAGING TAPE SELECTION?

"Rightsizing," or evaluating your packaging operation and selecting the right tape grade for your application, can help to minimize tape waste. But, it's critical to select the right grade of tape for the job — and thicker tapes aren't always better.

Be sure to consider variables like carton size, weight and your case sealing environment when choosing a grade of tape. As any of these factors increases, so too should the grade (and thickness) of tape.

Keep in mind: thicker packaging tapes are typically used in heavy-duty carton sealing applications, such as sealing particularly heavy or large cartons, or taping to a difficult-to-stick-to material. For lighter-duty carton sealing, having a thinner tape of good quality may be an economical choice.

WHAT'S THE BEST WAY TO HANDLE UNDER-FILLED CARTONS?

One of the most common problems in the packaging industry is under-filled cartons. An under-filled carton is any parcel, package or box that lacks adequate filler packaging to ensure that the item(s) being shipped arrives to its destination damage-free.

An under-filled carton that has been received is usually easy to spot. Boxes that are under-filled tend to become dented and bent out of shape during the shipping process, making them look bad to the receiver and sometimes damaging the goods inside. Not only that, but they also compromise the strength of the seal and make it very easy for the box to open, subjecting it to product loss, pilferage and further damage.

Some practical ways to avoid under-filling cartons are to:

- Provide consistent instruction for training and re-training packers on best practices.
- Use the smallest box possible that can safely transport the item being shipped to minimize empty space needed to fill.
- Test boxes by gently pressing down on the taped seal of the box. The flaps should keep their shape and not cave in, but not bulge upwards from over-fill either.

If some under-filled cartons are inevitable, a few ways to improve the security of the cartons are to:

- Ensure that a robust packaging tape is being used; hot-melt adhesive, thick film gauge and a greater width of tape such as 72mm are good qualities.
- Always apply adequate wipe-down pressure on the tape used to seal the box. The stronger the seal, the less likely even an under-filled carton will come apart.

HOW DO I PREVENT TAPE FAILURE DUE TO OVER-FILLED CARTONS?

Cartons become over-filled when the amount of filler is so great that the major flaps of the carton bulge, preventing a proper tape seal or causing a seal to fail — defeating the intent of the extra filling.

While the major flaps of a package can be held down long enough to seal the carton, this doesn't mean the package will remain secure. The upward force of the contents created by the void fill will introduce additional stress on the tape beyond its holding power, which could result in shear failure, or tape popping from the sides of the box, prior to palletization, during storage or during transit. Think of tape like a rubber-band — inherent to its makeup, it wants to relax back to its original shape after being stretched.

To prevent unnecessary rework, returns or damaged goods, it is important to only fill cartons to a level that allows the major flaps to completely close without forcing them to do so. Additionally, using the proper carton sealing tape for the application will help ensure secure seals. If you cannot avoid some overfill, consider a higher grade of tape with better holding power.

GOT A QUESTION ABOUT CHOOSING AND USING TAPE?

See what's trending or ask away at ***TapeUniversity.com***.

Shurtape Technologies: The Right Solution for Every Job.

That's what we have dedicated to crafting — and supplying — to you. Because our privately owned, fifth generation, global corporation is committed to designing, developing, manufacturing and delivering product solutions that make our customers' lives easier and help them do their jobs better.

Through our industry-leading Industrial Group, based in Hickory, NC, we deliver pressure-sensitive tapes for those with the highest, most exacting standards, and proudly serve a variety of markets, including packaging, building and construction, abatement, electrical, professional paint, stucco, HVAC, industrial, MRO, arts and entertainment, and transportation.

No matter the job, we know it's critical you're prepared. That's why we continue to deliver the tapes you trust — and the product features you demand — to deliver superior results.

In continuous operation since 1880, our company has a history of entrepreneurship and innovation, from spinning cotton, yarn and twine to our focus today: on making high-quality, high-performing tapes. Our success is built on passion — for our products, for complete customer satisfaction and for the markets we serve. Here are just a few things we bring to the table:

Product Innovation

We don't back down from a challenge. In fact, we embrace it. We listen. We solve. We develop the tools you need to get the job done right…the first time.

Global Footprint

Our global manufacturing, distribution and service capabilities position us to satisfy the growing needs of an international audience searching for competitively priced, high-quality tape solutions, with international locations in Mexico, Peru, The United Kingdom, Germany, United Arab Emirates, China, Australasia and Denmark.

Industry Knowledge

We have also developed resources dedicated to keeping you up to date on industry trends and best practices — to help you exceed expectations on the job. Our educational website, ***TapeUniversity.com***, is your leading online resource for all things tape. We're committed to building the best learning experience by providing the tape industry's most comprehensive place to learn about the past, present and future trends on choosing and using tape. From blog posts and articles to video demonstrations, Tape University serves to answer the industry's most commonly asked questions about tape — and invites you to ask your own.

Want to learn more about our company, locations and brands?
Visit us online at ***ShurtapeTech.com***.

APPLICABLE STANDARDS

1	ASTM D 1974/D 1974M-16	9	FDA Indirect Contact CFR 21, 175.105
2	ASTM D 5330, Type II	10	FDA Indirect Contact CFR 21, 177.1630
3	ASTM D 5486M-12, Type I, Class 2	11	ASTM D 6123/D 6123M-97 (2012), Type II
4	ASTM D 5486M-12, Type II, Class 2	12	FDA Indirect Contact CFR 21, 174.5
5	ASTM D 5486M-12, Type III	13	FDA Indirect Contact CFR 21, 176.170
6	CID A-A-113D, Type I, Class A	14	FDA Indirect Contact CFR 21, 176.180
7	CID A-A-1684C	15	ASTM D 5479-17, Type 1
8	CID A-A-1689B, Type II	16	ASTM D 6123/D 6123M-97 (2012), Type I

WARRANTY INFORMATION

Shurtape Technologies, LLC, guarantees its products to be in compliance with acceptable standards for material and workmanship, but limits its obligation under this warranty to replacement or, at its option, reimbursement of the purchase price of returned merchandise shown to its satisfaction to have been defective by such standards at the time it was shipped by Shurtape Technologies, LLC. Shurtape Technologies, LLC, neither makes nor authorizes, nor shall be bound to any other warranty of merchantability, and under no circumstances will it be liable for any loss, damage, expense or consequential damage or loss of any kind either in tort or contract, arising directly or indirectly out of or in connection with the use of or inability to use its products.

Product literature, specifications, product and test reports, and other descriptive and advertising material and information are based on research testing and are believed to be reliable but constitute no part of this warranty, which is exclusively and strictly limited to the foregoing. Shurtape products are sold on the understanding that the buyer has determined or will determine the suitability of the product for buyer's purposes, and is reminded that some materials are sensitive to adhesive-based products and discretion should be used in their application.

No agent or representative is authorized to give any guarantee or make any statement contrary to or inconsistent with this warranty.

Shurtape
TECHNOLOGIES

SHURTAPE TECHNOLOGIES, LLC
PO BOX 1530
HICKORY, NC 28603-1530 USA

SHURTAPE.COM
1.888.442.TAPE
CUSTSERVICE@SHURTAPE.COM

ISO 9001-CERTIFIED QUALITY SYSTEM

Shurtape TECHNOLOGIES

FORM #CAT-COMP-12/2024
PRINTED IN USA ON RECYCLED PAPER