



Shurtape®

TRUE TO YOUR WORK®

2020

PACKAGING CATALOG

DELIVERING SECURE SEALS, EVERY TIME.



Headquartered in Hickory, NC, Shurtape Technologies, LLC, is a privately owned, fifth generation, global corporation that designs, develops, manufactures and distributes pressure-sensitive tapes that make our customers' lives easier and help them do their jobs better.

In continuous operation since 1880, our company has a history of entrepreneurship and innovation, from spinning cotton, yarn and twine to our focus today: 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. Today, we

proudly serve a variety of markets, including packaging, building and construction, abatement, professional paint, stucco, electrical, HVAC, industrial, maintenance, repair and operations (MRO), arts and entertainment, and transportation. 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:

Canada — Mexico — Peru — The United Kingdom
Germany — The Middle East — Asia — Australia



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.

ABOUT US

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

THE STICKY TRUTH

The Sticky Truth: 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. Packaging line inefficiency is rampant, yet it's often assumed to be unavoidable, regardless of the tape and tape application method used. The standard needs to change – and we're here to start the conversation.



With over 135 years in the box closing business, Shurtape continues to engineer its packaging solutions to address common case sealing issues – downtime, material waste, personal injuries, product damage, and more – and deliver the consistent, reliable and secure seal you demand. No matter the application or environment, we've got the solution to keep you working at peak production.

SHURTAPE FUN FACTS:

We've been in the box closing business for



Our heritage is packaging –



we started with twine back in

1880



25% of our global manufacturing operations are dedicated to producing packaging tapes

Our HP, GS, and WP Series packaging tapes are manufactured in the United States with globally sourced materials



OUR PACKAGING STORY



OUR MISSION:

TRUE TO YOUR PACKAGING LINE.

TRUE TO YOUR WORK.®

TABLE OF CONTENTS

PACKAGING SOLUTIONS.....2

Why Choosing the Right Packaging Tape Matters	3
Types of Tape.....	4
Application Methods.....	5
Other Factors to Consider.....	6
Tape Selector Guide	8

PACKAGING TAPE SOLUTIONS.....10

Hot Melt Packaging Tapes	12
Standard Hot Melt Tapes.....	14
Specialty Hot Melt Tapes	15
Printable Hot Melt Tapes	16
Custom Printed Hot Melt Tapes.....	17
Hot Melt Technical Data	18
Acrylic Packaging Tapes	19
Water-Based Acrylic Tapes	20
Solvent-Based Acrylic Tapes.....	21
Acrylic Technical Data	21
Water-Activated Tapes	22
Custom Printed Water-Activated Tapes	24
Water-Activated Technical Data.....	25
Strapping Tapes	26
Strapping Technical Data	27
Office and Specialty Tapes	28
Office and Specialty Tapes Technical Data	29

TAPE APPLICATOR SOLUTIONS30

Are You Looking Beneath the Surface?	32
ShurSEAL® Packaging Solutions.....	33
ShurSEAL® Automated Packaging Solutions.....	34
Folded Edge® Technology	35
PrimeAlert™ Tape Management System	36
Case Sealing Evaluation.....	36
Tape Dispensers	37

FREQUENTLY ASKED QUESTIONS40

GLOSSARY OF TERMS42

APPLICABLE STANDARDS43

WARRANTY INFORMATION.....43



PACKAGING SOLUTIONS

No two sealing situations are identical – and not all packaging tapes are created equal. Something as seemingly simple as tape choice can have a major impact on your operation. That's why **WE ARE COMMITTED** to helping you choose the right tape for superior results.

Why Choosing the Right Packaging Tape Matters

You've invested a lot of time and money into your product – from applying quality standards and operational efficiencies to designing eye-catching packaging, you've dedicated countless hours and resources to ensure your product 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 is 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.

TAPE TIP

Pick your tape for performance. Don't let packaging tape failures like these render your hard work useless:

**Boxes
Popping Open**



Broken Tape



Short Tab



Tight Tension



Missed Seals



Uncut Tape



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 14; AP Series, page 20.

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, e-commerce, 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 23.



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 27.

*See glossary on page 42 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 34.



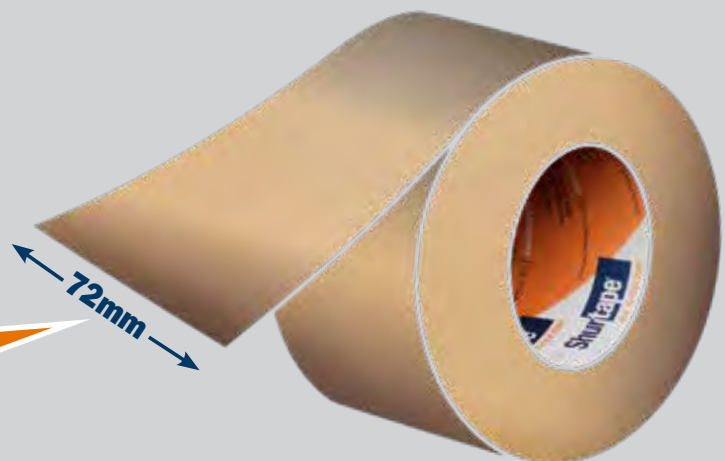
Manual Application

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 37.

TAPE TIP

72mm WIDTH is often recommended for manual carton sealing applications to prevent the need for multiple strips of tape when the tape is not centered over the seal.



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 15 for cold temperature packaging tapes.

Application temperatures

BELOW 35 F
often call for a **SPECIALTY**
packaging tape



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.



Temperatures **BELOW -20 F** or **ABOVE 150 F** are considered **EXTREME** service temperatures



TAPE TIP

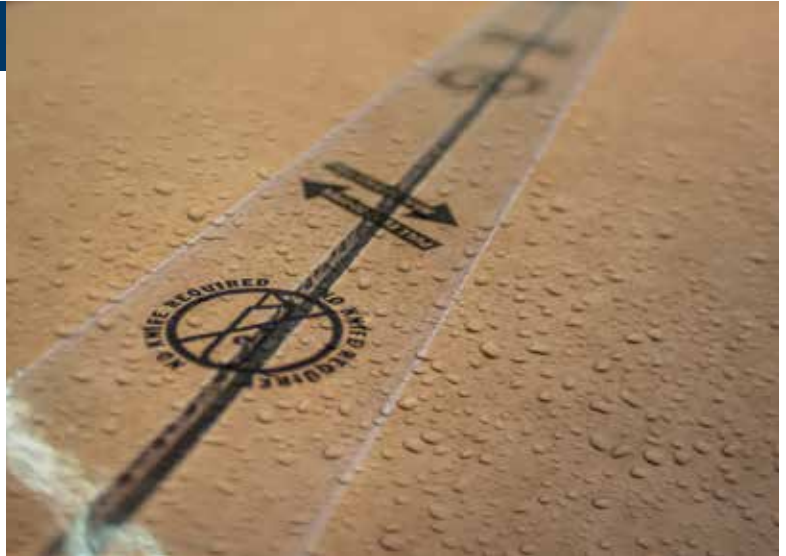
Need a tape that performs in the cold? See page 15 for **HP Series Cold Temperature Packaging Tapes.**

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 20.

ACRYLIC ADHESIVES often perform well in high humidity environments



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 20; HP 235, page 15.

For **BEST** performance in dusty or dirty environments, look for packaging tape adhesives that are **LESS VISCOUS** (or more liquid-like)

Regulatory Requirements

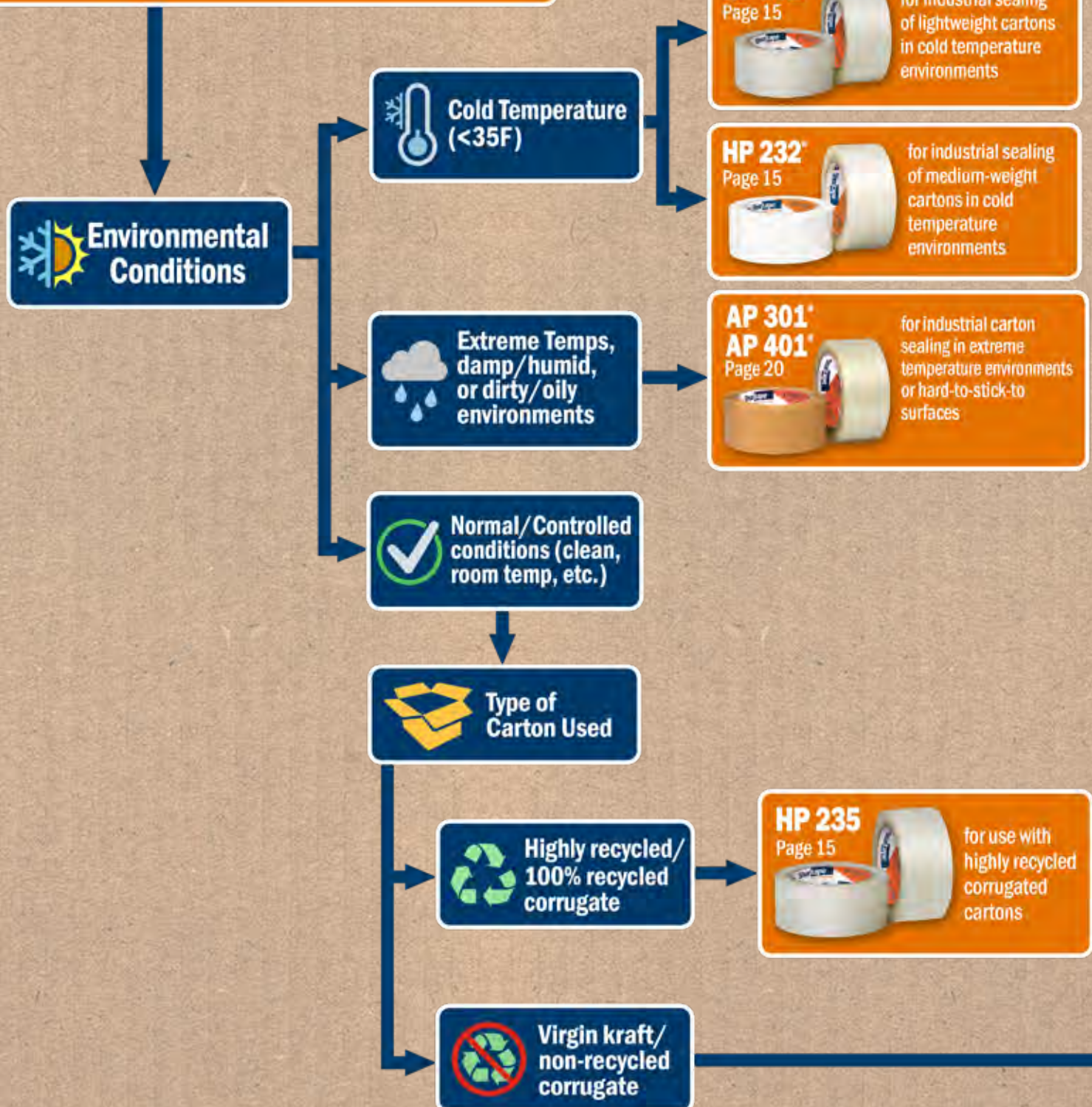
Some sealing situations require compliance with certain standards or regulations, which may dictate your tape selection. These standards – such as military certifications, FDA regulations for indirect food contact, and ASTM standards – ensure quality and performance in various applications.

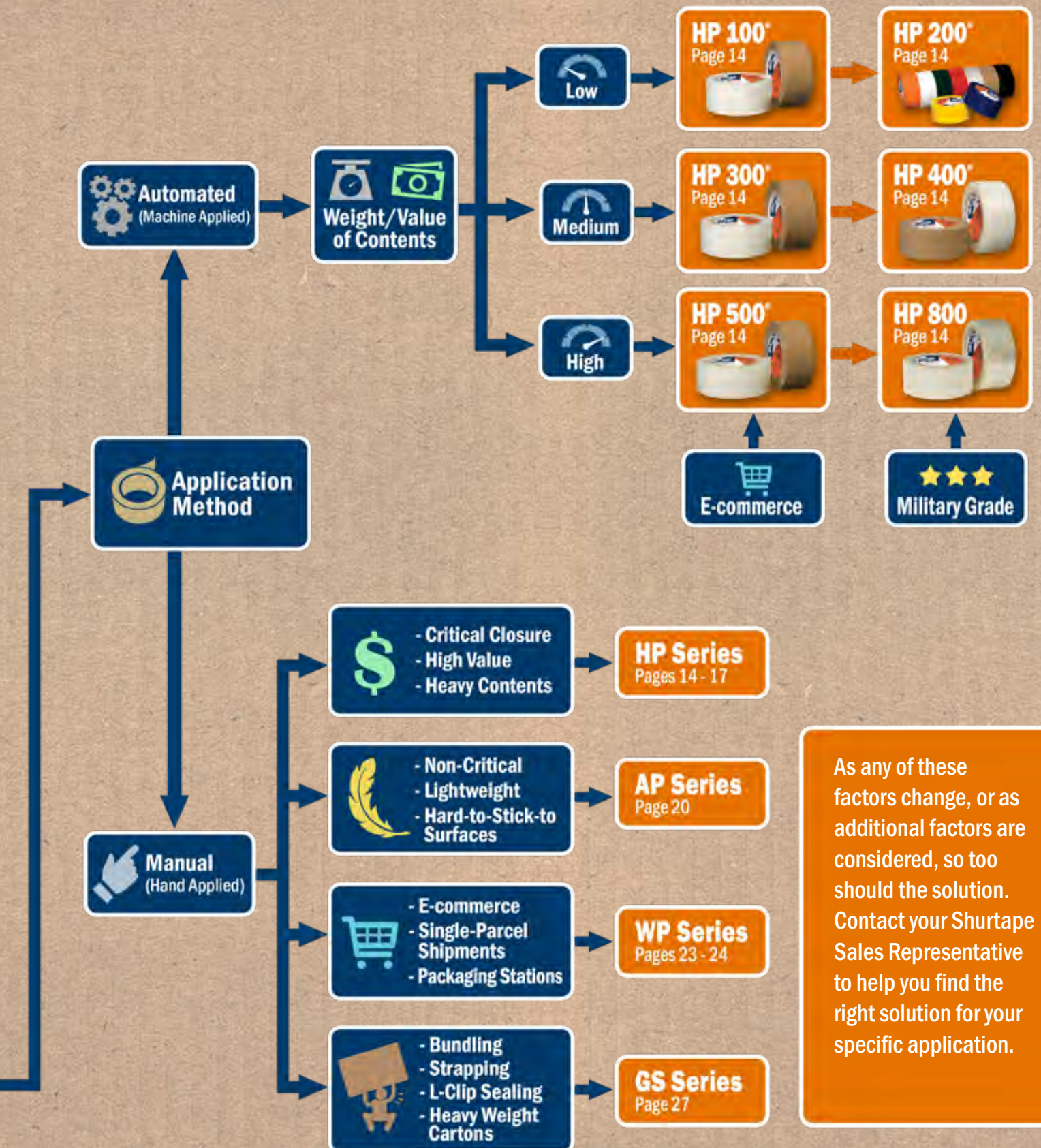
All of our **HP SERIES AND AP SERIES PACKAGING TAPES** are FDA Indirect Food Compliant

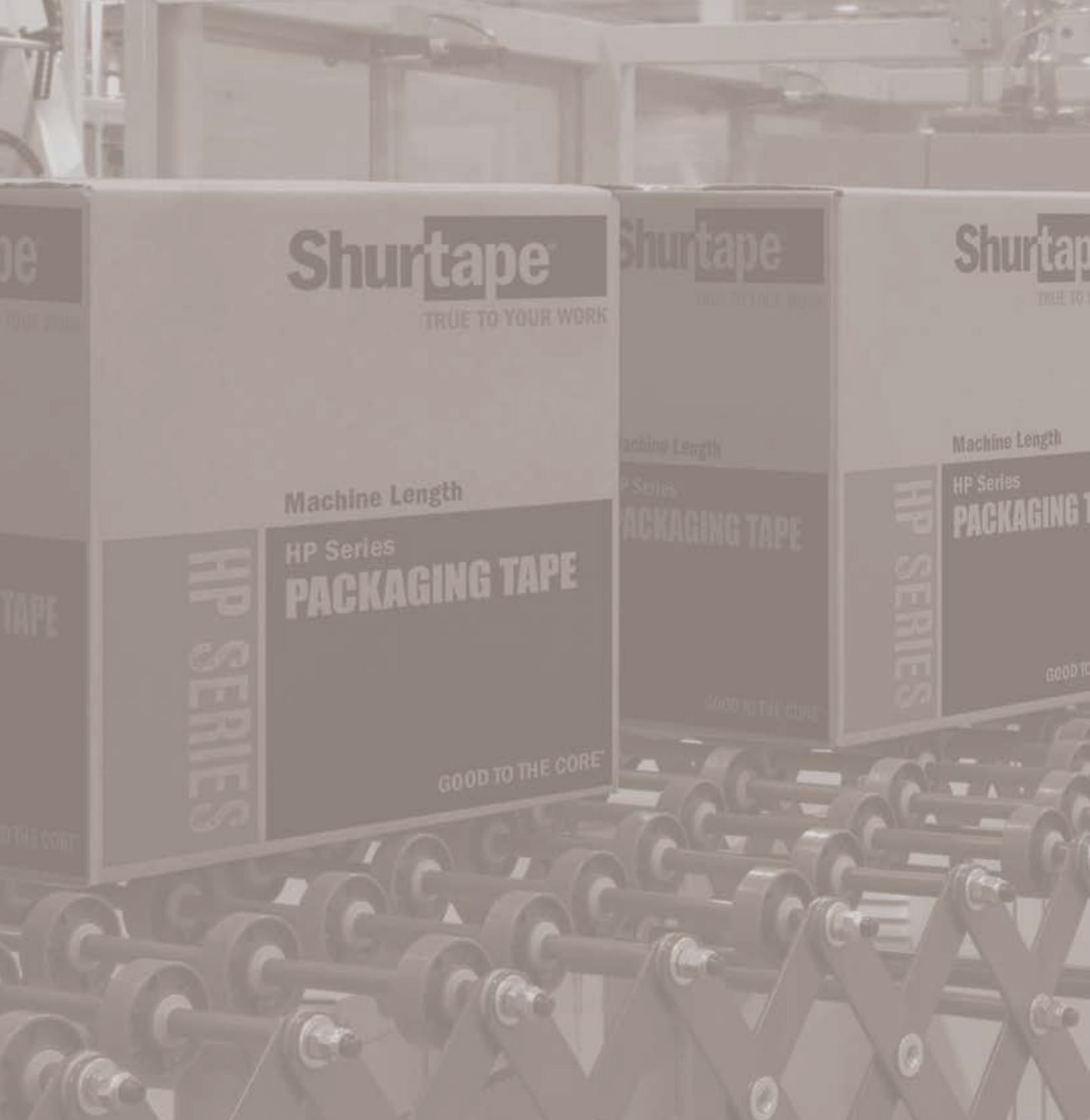


Tape Selector Guide

Stay **“True to Your Work”**[®]
and consider these factors to ensure
you select the right tape for the job!







PACKAGING TAPE SOLUTIONS



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 our portfolio of packaging tapes is purpose-built for packaging and case sealing applications – to deliver **SECURE SEALS, EVERY TIME.**

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**

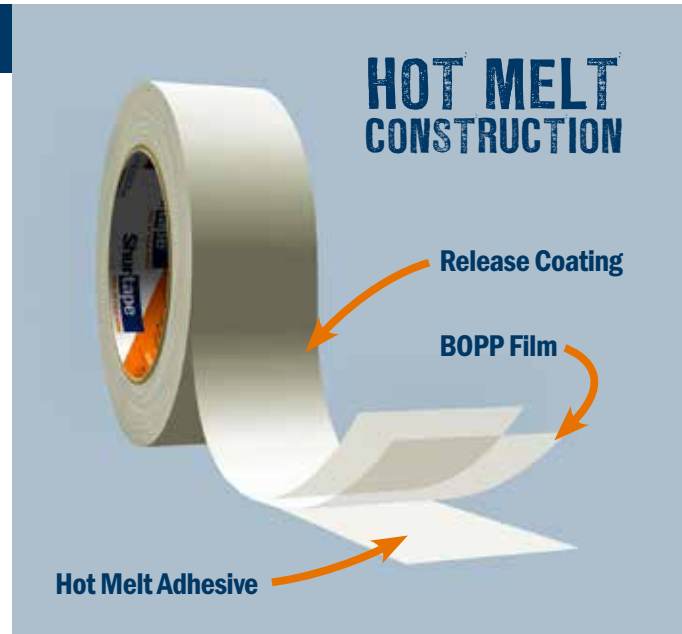
Hot melt adhesive is a synthetic rubber-based adhesive that provides high adhesion and holding power.

- **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.

HOLDING POWER is especially important in packaging lines where **SIGNIFICANT STRESS** is induced on the tape.



Good to the Core®

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.

HP Series tapes are also “**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.



In packaging operations, **10-20% TAPE WASTE**, caused by tear-outs and dispensing errors, is accepted as normal – often in the form of stub rolls. **The Sticky Truth:** every inch of unused tape adds up to lost dollars. It also means more tape roll changeovers, causing unnecessary downtime.



Tape Wasted

Tape waste is easy to spot – just look for stub rolls lying around your automated packaging line.



Every Inch Used

HP Series packaging tapes run Good to the Core.

Standard Hot Melt Tapes

HP 100®



General purpose grade, 1.6 mil hot melt packaging tape for manual or automated industrial sealing of lightweight cartons with minimal exposure to handling, shipping and load stress. HP 100® is engineered with an aggressive, high-tack adhesive and excellent holding power to keep carton seals intact.



HP 200®



Production grade, 1.8 mil hot melt packaging tape used to create instant closures on medium-weight cartons in everyday manufacturing and shipping environments. For manual or automated industrial carton sealing applications, HP 200® provides excellent holding power and superior performance.



HP 200®
is available in a variety of colors for organization and identification purposes.

HP 300®



Performance grade, 2.2 mil hot melt packaging tape for manual or automated industrial sealing of medium-weight cartons subjected to increased handling stress. Offering excellent quick stick and superior holding power, HP 300® is engineered to maintain its hold from your facility to its final destination.



HP 400®



High performance grade, 2.5 mil hot melt packaging tape for higher speed, critical closure carton sealing of large, bulky or heavy content cartons. For use in manual or automated industrial sealing environments, particularly moderate to severe handling environments, HP 400® delivers extra high bonding strength and holding power for consistent, secure carton closure.



HP 500®



Heavy duty grade, 3.0 mil hot melt packaging tape for manual or automated industrial sealing of heavy, bulky cartons, including overstuffed or under-filled cartons, in high stress and extreme handling conditions. HP 500® is constructed to be tough with excellent grip and holding power, ensuring it can withstand the rigors of the distribution network.



HP 800



Extremely tough, 3.4 mil hot melt packaging tape used for manual and automated industrial sealing to create heavy duty carton seals to protect high-value items such as military supplies and electronics, as well as for sealing hazardous materials and chemicals. The strongest, thickest packaging tape available within the HP Series line, HP 800 delivers excellent high-tack adhesion and high abrasion and tear resistance, helping to ensure the tape lasts the life of the box.



PET film is used for the most heavy-duty HP Series tape –

HP 800

– to protect high-value items such as military supplies and electronics



Specialty Hot Melt Tapes

HP 132®



Cold environment, 1.6 mil hot melt packaging tape for manual or automated industrial sealing of lightweight cartons in environments such as food processing and packaging facilities, as well as in cold weather moving/storage and unheated warehouses. An economical tape that's applicable in temperatures ranging from 20 F to 75 F, HP 132® produces a quick initial bond and offers continuous holding power.



HP 232®



Cold environment, production grade, 1.9 mil hot melt packaging tape for sealing 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 in cold climates. Engineered to deliver an instant, permanent bond to cartons, HP 232® is recommended for use in manual and automated industrial carton sealing applications in subfreezing temperatures ranging from 20 F to 75 F.



HP 235



Specially formulated, 2.0 mil hot melt packaging tape for manual and automated industrial sealing of medium weight, highly recycled cartons, particularly 100 percent recycled. HP 235 is designed with an enhanced adhesive system that offers higher shear, tack and adhesion to produce better seals, no matter the recycled content of the carton.



Why don't some
**PACKAGING
TAPES** perform
in the **COLD?**

When exposed to cold temperatures, some adhesives become hard or brittle, making it difficult for them to stick.



That's why Shurtape formulated specialty tapes that are purpose-built to deliver reliable performance and quick stick – even in refrigerated spaces.



Why don't some packaging tapes stick to **RECYCLED CARTONS?**

Recycled corrugated cartons are difficult for tape to stick to because the fibers are much shorter and are bonded with starches and fillers, leaving less space in between them for the tape's adhesive to penetrate.

Recycled Fiber



Virgin Fiber



HP 235 is a specialty hot melt tape engineered with higher tack to better penetrate the top sheet of highly recycled or 100 percent recycled corrugated cartons.

Printable Hot Melt Tapes

HP 260



Production grade, 1.9 mil hot melt packaging tape used in manual and automated industrial carton sealing of medium-weight cartons in everyday manufacturing and shipping environments. HP 260 is directly printable with all leading brands of solvent inks and delivers faster drying times for more efficient use of machines and superior ink anchorage without pickoff.



HP 460



High performance grade, 2.5 mil hot melt packaging tape recommended for higher speed, critical closure carton sealing of large, bulky or heavy content cartons in manual or automated industrial sealing environments. Offering consistent unwind and an aggressive adhesive that keeps cartons secure, HP 460 is directly printable with all leading brands of solvent inks and delivers faster drying times for more efficient use of machines and superior ink anchorage without pickoff.



HP 560



Heavy duty grade, 3.0 mil hot melt packaging tape for manual or automated industrial sealing of heavy, bulky cartons, including overstuffed or under-filled cartons, in high stress and extreme handling conditions. Designed to be tough with an aggressive adhesive and exclusive release-coat technology for consistent unwind, HP 560 is directly printable with all leading brands of solvent inks and delivers faster drying times for more efficient use of machines and superior ink anchorage without pickoff.



Standard Message - Printed Hot Melt Tapes

GS 496



Production grade, fiberglass-reinforced hot melt strapping tape for use on Siat L33, L36 and L233 (or equivalent) surface printing presses. GS 496 is directly printable with all leading brands of solvent inks and delivers faster drying times for more efficient use of machines, superior ink anchorage without pickoff and exclusive release-coat technology for consistent, quiet unwind.



HP 240



Production grade, 1.9 mil hot melt packaging tape featuring printed stock messages to prevent pilferage and inform handlers of care. For manual or automated industrial carton sealing of medium-weight cartons, HP 240 provides excellent holding power, superior performance and easy-to-read messages.



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



We offer a variety of **PRE-PRINTED** packaging tapes with standard messaging, including:

- Stop if seal is broken
- Security tape
- Keep frozen
- Keep refrigerated
- No-knife required to open
- Fragile/Handle with Care



Use our "No Knife" print with

EDGE TECHNOLOGY

See page 35 for more information.

Custom Printed Hot Melt Tapes

HP 250



Production grade, 1.9 mil hot melt packaging tape that can be custom printed with a logo or message to prevent pilferage and allow personalization of outgoing cartons. For manual or automated industrial carton sealing of medium-weight cartons, HP 250 provides excellent holding power, superior performance and easy-to-read messaging.



HP 350



Performance grade, 2.2 mil hot melt packaging tape that can be custom printed with a logo or message to prevent pilferage and allow personalization of outgoing cartons. Used for manual or automated industrial sealing of medium-weight cartons subjected to increased handling stress, HP 350 offers excellent quick stick and superior holding power.



HP 450



High performance grade, 2.5 mil hot melt packaging tape for higher speed, critical closure carton sealing of large, bulky or heavy content cartons. For use in manual or automated industrial sealing environments, particularly moderate to severe handling environments, HP 450 offers extra high bonding strength and holding power for consistent, secure carton closure - plus the ability to be custom printed with a logo or message to prevent pilferage and personalize cartons.



HP 550



Heavy duty grade, 3.0 mil hot melt packaging tape for sealing heavy, bulky cartons, including overstuffed or under-filled cartons, in high stress and extreme handling conditions. With the ability to be custom printed with a logo or easy-to-read message, HP 550 allows for the personalization of cartons and helps prevent pilferage, while delivering strength and durability to withstand the rigors of the distribution network.



INTERESTED IN A CUSTOM PRINT?

Our custom print program makes it easy – tell us about your unique needs, including these 5 details:

- Annual tape consumption
- Dimensions of tape (width and length)
- Grade(s) of tape needed
- Base tape color needed
- Custom logo/artwork (1-4 colors)

Once we understand your goals, we will produce a customized packaging tape that meets your specs.

Get started by contacting your Shurtape distributor or sales representative.



TAPE TIP

Benefits of custom printed packaging tape include:

- ✓ Low-cost advertising
- ✓ Increased brand recognition
- ✓ Enhanced customer experience
- ✓ Important handling instructions

Hot Melt 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, 10
HP 200®	Production Grade	30 micron BOPP	1.9	27	44	15,000	35 - 110	-20 - 150	1, 7, 9, 10
HP 300®	Performance Grade	35 micron BOPP	2.2	30	50	25,000	35 - 110	-20 - 150	1, 7, 9, 10
HP 400®	High Performance Grade	40 micron BOPP	2.5	33	54	35,000	35 - 110	-20 - 150	1, 5, 7, 9, 10
HP 500®	Heavy Duty Grade	50 micron BOPP	3.0	42	58	45,000	35 - 110	-20 - 150	1, 5, 7, 9, 10
HP 800	Extremely Tough Grade	50 micron PET	3.4	54	95	45,000	35 - 110	-20 - 150	1, 3, 4, 7, 9, 11
SPECIALTY HOT MELT TAPES									
HP 132®	Cold Environment, General Purpose Grade	25 micron BOPP	1.6	21	30	10,000	20 - 75	-20 - 100	7, 9, 10
HP 232®	Cold Environment, Production Grade	30 micron BOPP	1.9	27	30	10,000	20 - 75	-20 - 100	7, 9, 10
HP 235	Recycled Cartons, Production Grade	30 micron BOPP	2.0	27	50	15,000	35 - 110	-20 - 150	1, 7, 9, 10
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, 10
HP 242	Standard Printed, Cold Environment	30 micron BOPP	1.9	27	30	10,000	20 - 75	-20 - 100	7, 9, 10
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, 10
HP 350	Custom-Printed, Performance Grade	35 micron BOPP	2.2	30	50	25,000	35 - 110	-20 - 150	1, 7, 9, 10
HP 450	Custom-Printed, High Performance Grade	40 micron BOPP	2.5	33	54	35,000	35 - 110	-20 - 150	1, 5, 7, 9, 10
HP 550	Custom-Printed, Heavy Duty Grade	50 micron BOPP	3.0	42	58	45,000	35 - 110	-20 - 150	1, 5, 7, 9, 10
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, 5, 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
GS 496	Surface Printable, General Purpose Grade	Filament Reinforced BOPP	4.3	100	70	—	35 - 110	-10 - 150	9, 10

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



TAPE TIP

All of our HP Series tapes are **FDA** Indirect Food Compliant.



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.

TAPE TIP

AP Series tapes are **UV RESISTANT** to prevent yellowing over time – protecting your reputation and brand perception.



Water-Based Acrylic Tapes

AP 101®



General purpose grade, 1.6 mil acrylic packaging tape designed for closure of lightweight cartons in manual and automated industrial sealing settings. Durable BOPP film provides strength and flexibility, while a high-quality adhesive gives AP 101® clarity, UV resistance, premium aging characteristics and low odor to tackle the task at hand.



AP 180®



Production grade, 1.8 mil acrylic packaging tape for manual and automated industrial sealing of lightweight cartons. AP 180® is constructed with a durable BOPP film that provides stiffness and strength for automated applications, and a high-quality adhesive that provides clarity, UV resistance, premium aging characteristics and low odor for a variety of carton sealing applications.



AP 201®



Production grade, 2.0 mil acrylic packaging tape for light- to medium-weight carton sealing in manual and automated industrial sealing applications. AP 201® offers a 28 micron cast BOPP film backing and high-quality adhesive engineered to deliver clarity, UV resistance, premium aging characteristics and low odor.



AP 301®



Performance grade, 2.2 mil acrylic packaging tape for manual and automated industrial sealing of medium-weight cartons in extreme temperature environments or subjected to handling stress. AP 301® is durable, quick bonding and UV resistant for use in a range of applications, temperatures and environments.



AP 401®



High performance grade, 2.5 mil acrylic packaging tape for manual and automated industrial sealing of heavyweight cartons exposed to extreme temperatures, rough handling and load stress. AP 401® provides quick stick and durability for use in a range of heavy-duty applications, temperatures, and environments.



TAPE TIP

All of our AP Series tapes are **FDA** Indirect Food Compliant.



Solvent-Based Acrylic Tapes

PP 802



Premium plus grade solvent-based acrylic packaging tape for light to medium duty sealing, repairing and bundling of corrugated cartons, paper and film containers. For use with hand-held or machine dispensers, PP 802 delivers high initial tack and holding power in a wide range of temperatures.

PP 803



Premium plus grade solvent-based acrylic label protection and packaging tape designed for overlamination, label protection and carton closure applications that demand 100 percent clarity. Identified as Ultra Clear, PP 803 can be used in a wide range of temperatures and offers excellent holding power to get the job done.

PP 810



Premium grade solvent-based acrylic packaging tape used to seal light- to medium-weight cartons in everyday shipping and handling environments, in addition to bundling and repair applications. Durable to withstand a wide range of temperatures, PP 810 can be applied with a hand-held dispenser to seal out moisture, dirt and pilferage.

PP 815



Heavy duty grade solvent-based acrylic packaging tape for critical sealing and repairing of corrugated containers in hot and cold environments. Applied with a hand-held dispenser, PP 815 offers excellent impact and shear resistance for a variety of tasks.



Acrylic 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	18	20 - 110	-20 - 180	9, 10
AP 180®	Production Grade	25 micron BOPP	1.8	20	21	20 - 110	-20 - 180	9, 10
AP 201®	Production Grade	28 micron BOPP	2.0	24	22	20 - 110	-20 - 180	9, 10
AP 301®	Performance Grade	35 micron BOPP	2.2	27	25	20 - 110	-20 - 180	9, 10
AP 401®	High Performance Grade	40 micron BOPP	2.5	30	27	20 - 110	-20 - 180	9, 10
SOLVENT-BASED ACRYLIC TAPES								
PP 802	Premium Plus Grade	25 micron BOPP	2.0	22	25	20 - 110	-20 - 180	7
PP 803	Premium Plus Grade	30 micron Crystal Clear BOPP	2.2	25	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.

Water-Activated Tapes

Designed for use in fast-paced fulfillment operations, e-commerce, 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

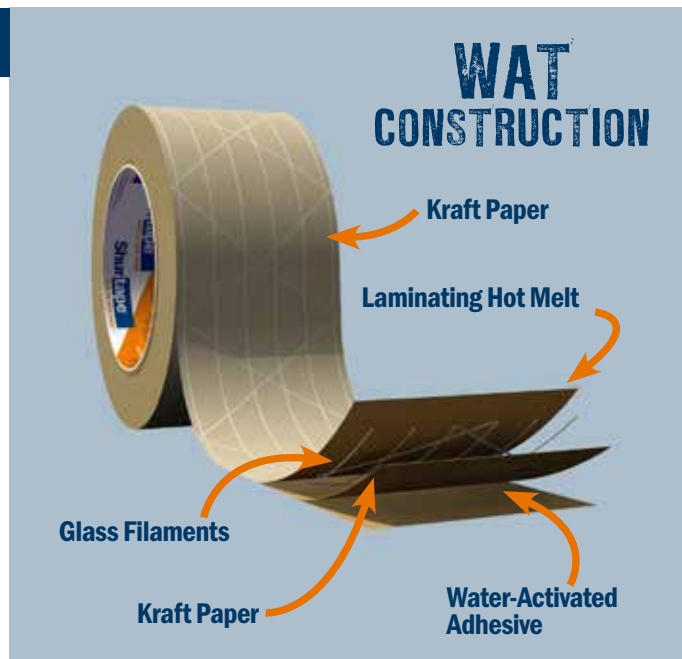
Water-activated tapes consist of 5 layers: kraft paper, laminating hot melt, glass filaments, kraft paper, and water activated adhesive.

- **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.



TAPE TIP

Water-activated tape is a great solution for packaging operations with **SEASONAL SWINGS**. It is intuitive for employees and **EASILY INTEGRATED** into packing stations.



Find
tabletop **WAT**
Dispensers
on page 39.

Water-Activated Tapes

WP 100



Economy grade reinforced paper tape for sealing light- to medium-weight cartons - up to 25 pounds - with minimal exposure to handling, shipping and load stress. Offering excellent tensile strength and an aggressive water activated adhesive that provides an instant bond to most corrugated surfaces, WP 100 delivers a durable seal that helps prevent pilferage.

WP 200



Production grade reinforced paper tape with water activated adhesive for sealing medium-weight cartons - up to 35 pounds - in normal manufacturing and shipping environments. Strong and conformable with aggressive adhesion to cartons, WP 200 prevents pilferage to help ensure goods arrive intact.

WP 300



Heavy duty grade reinforced paper tape with water activated adhesive for critical closure of heavy-weight cartons - up to 45 pounds - in all environments. With high tensile strength and an aggressive adhesive that quickly becomes part of the carton, WP 300 is designed for optimum security.

WP 400



Extra heavy duty grade reinforced paper tape for sealing large, bulky or heavy content cartons - over 50 pounds - in moderate to severe handling environments. WP 400 offers superior tensile strength, conformability and an aggressive water activated adhesive that becomes part of the carton to deliver maximum security on every carton.

GP 100



Non-reinforced, medium duty grade gum paper tape for light- to medium-weight packaging applications that demand a long-lasting bond. GP 100 adheres to most paper surfaces with an aggressive water activated adhesive that becomes part of the carton to provide tamper-evident security.



TAPE TIP

Water-Activated Tape is popular among online retailers because it:



Delivers a powerful bond to corrugated surfaces, producing tamper-evident seals that reduce the risk of theft.



Allows for quick and efficient dispensing at the touch of a button if using an electronic dispenser.



Is easy to use - with little to no training for new employees.



Provides flexibility for packers to be creative when packaging odd assortments of products.

Custom Printed Water-Activated Tapes

WP 150



Economy grade reinforced paper tape for sealing light- to medium-weight cartons - up to 25 pounds - with minimal exposure to handling, shipping and load stress. Custom printable with a logo or message to help personalize cartons, WP 150 delivers a durable seal that helps prevent pilferage.

WP 250



Production grade reinforced paper tape with water activated adhesive for sealing medium-weight cartons - up to 35 pounds - in normal manufacturing and shipping environments. Strong and conformable with aggressive adhesion to cartons, WP 250 is custom printable with a logo or message for delivery of goods without pilferage.

WP 350



Heavy duty grade reinforced paper tape with water activated adhesive for critical closure of heavy-weight cartons - up to 35 pounds - in all environments. With high tensile strength, an aggressive adhesive that quickly becomes part of the carton, and a custom-printable surface, WP 350 is designed for optimum security.

WP 450



Extra heavy duty grade reinforced paper tape for sealing large, bulky or heavy content cartons - over 50 pounds - in moderate to severe handling environments. Custom-printable with a logo or message, WP 450 offers superior tensile strength and an aggressive water activated adhesive that becomes part of the carton to deliver maximum security on every carton.

INTERESTED IN A CUSTOM PRINT?

Our custom print program makes it easy – tell us about your unique needs, including these 5 details:

- Annual tape consumption
- Dimensions of tape (width and length)
- Grade(s) of tape needed
- Base tape color needed
- Custom logo/artwork (1-4 colors)

Once we understand your goals, we will produce a customized packaging tape that meets your specs.

Get started by contacting your Shurtape distributor or sales representative.

TAPE TIP

The benefits of a custom printed tape include:

- ✓ Improved brand perception
- ✓ Enhanced customer experience
- ✓ Cost-effective product promotion
- ✓ Important handling instructions



Water-Activated 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 Wt (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	—
WP 400	Extra Heavy Duty Grade	Reinforced Kraft Paper	(MD) G75/ (CD) G150	80	35	23	30	2-2-1-2-2	50+	—
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	—
WP 450	Extra Heavy Duty Grade	Reinforced Kraft Paper	(MD) G75/ (CD) G150	80	35	23	30	2-2-1-2-2	50+	—

For additional product information and technical data, visit [Shurtape.com](https://www.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.



GS SERIES TAPES are recommended for use with the **FT HAND DISPENSER**. Learn more on page 38.

Strapping Tapes

GS 490



Economy grade fiberglass reinforced strapping tape for light duty strapping, packaging, bundling and palletizing applications. GS 490 offers good adhesion, quick stick and shock resistance for a range of tasks.



GS 500



Utility grade fiberglass reinforced strapping tape for general purpose strapping, packaging, bundling and palletizing jobs. Offering high adhesion and a backing that resists splitting and cracking, GS 500 tackles a variety of jobs with ease.



GS 501



Industrial grade fiberglass reinforced strapping tape for strapping, packaging, bundling and palletizing applications. GS 501 is designed for medium duty jobs, offering an aggressive adhesive and durable backing that won't delaminate, split or crack.



GS 521



High performance grade fiberglass reinforced strapping tape for heavy duty closing, strapping, packaging, bundling, unitizing, palletizing and L-Clip applications. GS 521 offers high tensile strength and good adhesion, quick stick and shock resistance to hold strong against the distribution network.



GS 531



Premium grade fiberglass reinforced strapping tape for heavy duty closing, strapping, packaging, protecting, bundling, reinforcing, sealing, unitizing, palletizing and L-Clip applications that demand maximum security. With high tensile strength, good adhesion and a durable polyester backing that resists tearing, GS 531 is made to withstand the rigors of the distribution network.



PS 748



Utility grade tensilized strapping tape for light duty strapping, packaging, bundling and palletizing applications. PS 748 is strong and quick to stick, and is designed to contract when applied under firm manual tension.

Strapping Tape 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, 10
GS 500	Utility Grade	Filament Reinforced BOPP	5.0	150	70	35 - 110	-10 - 150	9, 10
GS 501	Industrial Grade	Filament Reinforced BOPP	5.2	175	70	35 - 110	-10 - 150	9, 10
GS 521	High Performance Grade	Filament Reinforced BOPP	6.2	300	70	35 - 110	-10 - 150	2, 9, 10
GS 531	Premium Grade	Filament Reinforced PET	6.7	300	70	35 - 110	-10 - 150	2, 9, 10
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.

Office and Specialty Tapes

Shurtape office and specialty packaging tapes meet the demands of unique applications, including bag sealing, bundling, laminating, joining, covering, label protection, and more.

CT 109



General purpose transparent cellulose film tape for sealing, packaging and mending applications that demand a tape that can adhere to hard-to-stick-to surfaces, as well as for splicing applications that require a tape with high tensile strength. CT 109 is easy to tear and static-free, making it a handy solution for a range of applications.

VF 719



Economy grade printable UPVC film tape for use with a hand dispenser to seal cartons with recycled fiber content, heavy ink coverage or rough surfaces. VF 719 offers high tack, is quick to apply without needing excessive rub-down, and is an excellent choice when moisture and subfreezing temperatures are involved.

AP 15



Label protection acrylic packaging tape for defending shipping labels and other printed surfaces against weather and handling. Offering high clarity and UV resistance, AP 15 adds an additional layer of protection to keep critical information intact.



JLAR



Clear to the core solvent-based acrylic packaging tape for overlamination and label protection, as well as for light duty packaging, paper repair and mending, and holding applications. JLAR is a glossy, brilliantly clear film tape that dispenses effortlessly from counter and desk dispensers.

PP 808



General purpose grade UPVC film tape for lightweight bag sealing, banding, bundling and packaging applications, as well as for color-coding tasks. PP 808 is moisture-resistant and can withstand subfreezing temperatures.

PP 807



Premium grade solvent-based acrylic general purpose and label protection tape used for protecting labels and handling instructions, as well as for industrial and production laminating, joining, covering and protecting jobs. PP 807 resists bacteria, fungi, solvents, weathering and yellowing, and provides a moisture-proof seal to keep critical information safe.



TAPE TIP

A clear choice for a range of jobs, clear to the core **JLAR** will not yellow or discolor materials after being applied, and is designed for applications in which clarity is critical to a job well done.

Office and Specialty Tapes Technical Data

Product Type	Tape Grade	Backing Type	Adhesive Type	Total Thickness (mils)	Tensile (lbs./in width)	Adhesion to Stainless (oz./in width)	Elongation (%)	Application Temp Range (°F)	Max Service Temp/Range (°F)	Application Standards
OFFICE AND 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, 10
JLAR	Specialty Grade	BOPP Film	Solvent Acrylic	2.6	24	30	140	20 – 110	-20 – 180	—
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	—

For additional product information and technical data, visit [Shurtape.com](https://www.shurtape.com).





TAPE APPLICATOR SOLUTIONS

qtp PrimeLoc™



Shurtape

Shur
SOLU

1.888.442.



SEAL
UTION
TAPE(827

WE KNOW you demand secure carton seals, whether applying tape by hand or in an automated case sealing environment. That's why we offer a wide range of hand-held tape dispensers and automated case sealing solutions. Designed for a range of packaging and strapping applications, our tape applicators are engineered for maximum **EFFICIENCY AND PERFORMANCE**.

Are You Looking Beneath the Surface?

THE **STICKY**
TRUTH

When it comes to choosing a packaging tape, it's not just about the price per roll. There are other factors – hidden below the surface – that can affect your total cost and bottom line.

Visible Cost

the **Price** OF **Tape**
Packaging

Productivity/OEE

Scrap/Waste **Cost of**
replacement cost **Failure**

DOWNTIME

Safety Customer **Environmental**
Perception **Impact**
content security

REWORK
LABOR

Hidden Cost

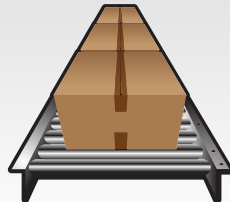
ShurSEAL® PACKAGING SOLUTIONS

Unsecure 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 caused by cartons popping open. ShurSEAL® Packaging Solutions are designed to deliver quality, secure seals, while also maximizing packaging line efficiencies to keep them running longer and faster.

At Shurtape, we know you demand a secure seal every time. And, we know you understand the importance of uptime and keeping your lines running at peak production. This is what guides and inspires us to develop efficiently engineered packaging solutions that:

Reduce Downtime

...by boosting OEE by 2-3% with less rework, rethreading, and case jams



Increase Safety

...with “no knife” easy open access that reduces the risk of worker injury and product damage due to sharp instruments



Deliver Secure Seals

...with 71% better wipe-down for stronger seals that can withstand the rigors of the distribution network



Reduce Maintenance Costs

...via innovation without capital investment, which allows for the refocus of maintenance on upstream equipment

Maximize Tape Consumption

...by reducing tape tab lengths and eliminating stub rolls, yielding 10-20% savings in tape usage



Learn more at
ShurSEALSecure.com

ShurSEAL® Automated Packaging Solutions

7000 Series Tape Applicator



Our flagship solution, the ShurSEAL 7000 Series automated tape applicator provides a best in class solution designed for fast-paced, high-output manufacturing and processing operations.

- Easily retrofits into existing erectors and sealers
- Stainless steel construction designed to withstand wash-down environments
- Multiple wipe-down points for full use of the tape's adhesive
- Front and rear tab adjustments to rightsize tape length
- Consistent seals at speeds up to 200 fpm
- Open design for easy tape threading
- Available with Folded Edge® Technology
- Available with PrimeAlert™ Tape Monitoring System
- Designed for use with HP Series packaging tape

8000 Series Tape Applicator

Our most innovative design, the 8000 Series Quick Change Sealing System offers a cartridge-based system uniquely engineered to tackle the downtime associated with slow tape roll changeovers.

The 8000 Series offers all the benefits of the 7000 Series applicator, plus

- Tape roll changes in less than 10 seconds
- Interchangeable top and bottom inserts that allow for easy offline threading
- Lightweight inserts to reduce operator strain and lifting



TAPE TIP

Revitalize Older Machinery: These applicators can be easily **RETROFITTED** into over **300 MACHINES**, including most brands of case sealers.

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.

Reinforced Strength: Doubling the **thickness** of the edges along the length of the carton reduces the risk of tape being nicked and broken, particularly where the major flaps meet the side of the carton.

Increased Productivity: Tape application is more reliable, resulting in less tape breaking and tearing to increase throughput and productivity.

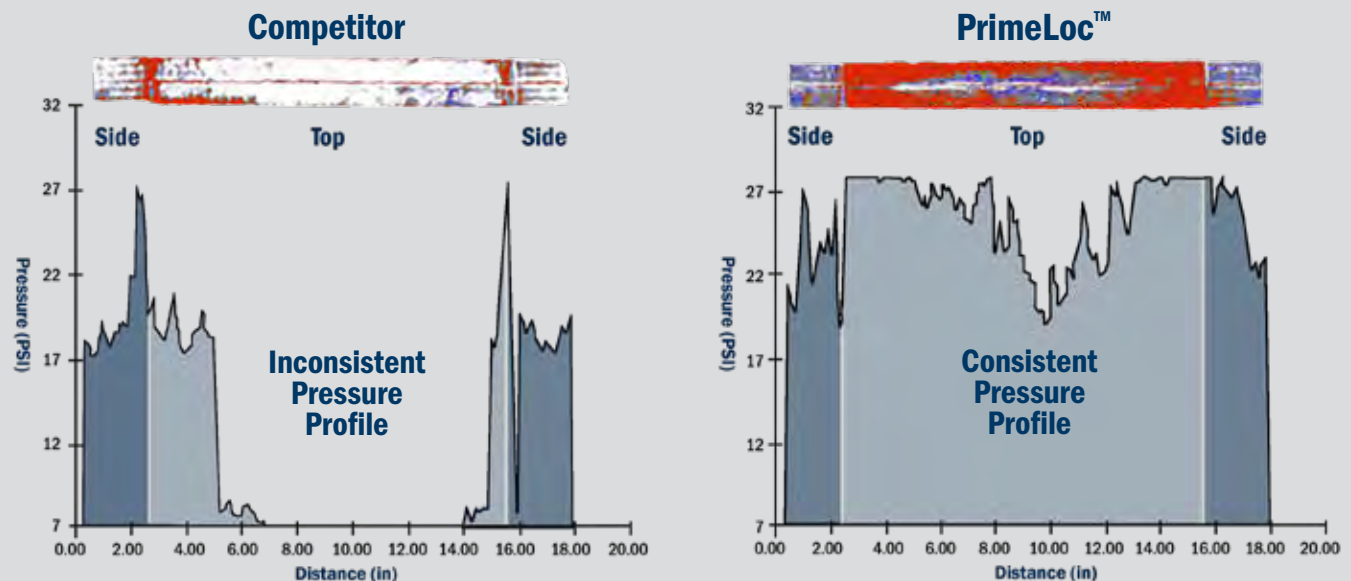
Knifeless Opening: Easy no-knife opening reduces the risk of product damage or worker injury by providing a seal that can be grasped and removed by hand.



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.



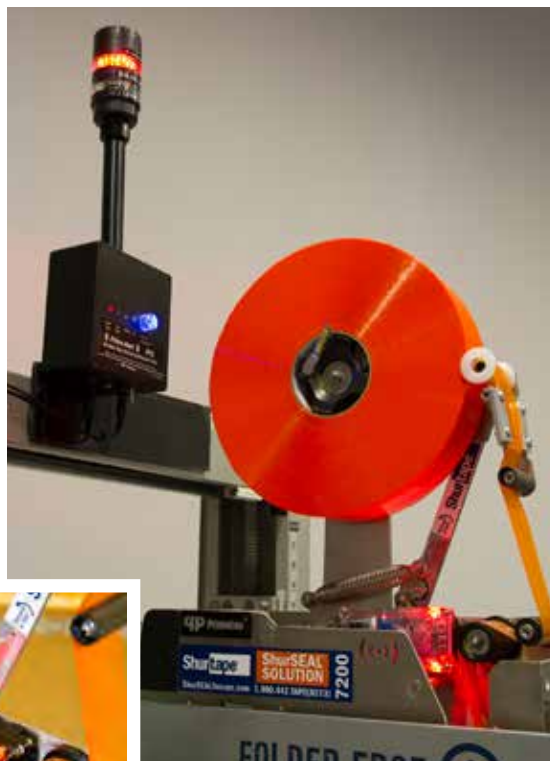
PrimeAlert™ Tape Management System

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.

Tape Dispensers

Folded Edge® Hand Dispensers

Shurtape's manual FE-2 and FE-3 hand dispensers feature Folded Edge Technology, which folds both edges along the length of the tape as it is applied, creating a more reliable, secure case seal that doesn't require a knife to open.

Other Features & Benefits:

- Improved wipe-down force as tape is applied to produce tamper-evident case seals
- Retractable/pivoting safety blade that shields users from accidental contact
- Visible tape length indicators to provide tab length control and reduce tape consumption
- Visible markers to provide single-strip, straight taping guidance

For best performance, use with Shurtape HP Series easy release hot melt packaging tapes. Visit [ShurSEALSecure.com/easy-release](https://www.shursealsecure.com/easy-release) to view recommended product SKUs.



Tape Dispensers

FT 36



First-of-its-kind, hand-held filament tape dispenser crafted for manual strapping tape applications, including L-Clip and C-Clip tape sealing, strapping, bundling and palletizing jobs. The patented FT 36 hand dispenser is designed with a pistol grip for comfort and ergonomics in repetitive use applications, and delivers improved wipe-down force and consistent, quick cutting – even of the strongest glass fiber filament tapes in the industry – for ease of use in a variety of industries.

GS Series

*Available in 48mm and 72mm upon request.

Contact your Shurtape Sales Representative for more information.



SD 999



Filament tape dispenser for manual closing, strapping, packaging, bundling and palletizing applications. SD 999 is durable, maintenance-free and can accommodate rolls up to 1 inch in width.

GS Series

SD 932



Standard pistol-grip tape dispenser for manual carton sealing applications. SD 932 is a durable, hand-held packaging solution that is easy to load and can accommodate rolls up to 2 inches in width.

AP Series, HP Series, PP Series

SD 934



Professional pistol-grip tape dispenser for manual carton sealing applications. SD 934 is easy to load, offers a wipe-down plate for better adhesion of the tape to the surface, and can accommodate rolls up to 2 inches in width.

AP Series, HP Series, PP Series

SD 935



Professional pistol-grip tape dispenser for manual carton sealing applications. SD 935 is easy to load, offers a wipe-down plate for better adhesion of the tape to the surface, and can accommodate rolls up to 3 inches in width.

AP Series, HP Series, PP Series

SD 936



Deluxe silencer pistol-grip tape dispenser for manual carton sealing applications. A quiet, hand-held packaging solution, SD 936 offers a wipe-down plate for better adhesion of the tape to the surface and can accommodate rolls up to 2 inches in width.

AP Series, HP Series, PP Series

SD 930



Economy grade clamshell tape dispenser for manual packaging applications. SD 930 is constructed with high-impact plastic and a blade safety guard, is easy to load and can accommodate rolls up to 2 inches in width.

AP Series, HP Series, PP Series

SD 931



Tabletop label protection tape dispenser for use on packing lists, sales slips and labels. SD 931 can accommodate rolls up to 4 inches in width.

AP 15, PP 807

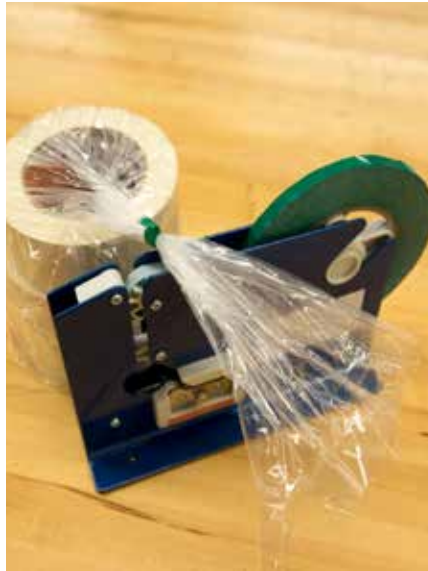
Tape Dispensers

SD 937



Tabletop bag-sealing dispenser for single-stroke bag sealing applications. SD 937 can be used as a tabletop or mounted dispenser, and can accommodate rolls up to 9 mm in width.

PP 808



SD 955



Desktop tape dispenser for mending and light duty splicing tasks. SD 955 can accommodate a maximum 1-inch width tape with either a 1-inch or 3-inch inside diameter core.

CT 109

M-1



Phoenix® M-1 manual gummed tape dispenser designed to feed, moisten and cut water activated tape for case sealing applications. Designed as a durable, hassle-free solution for use with tapes ranging in width from 1.5" to 3", the M-1 dispenser can dispense tape lengths up to 30" with a single pull of the handle - and longer lengths with multiple pulls - to deliver professionally sealed packages.

WP Series

E-1

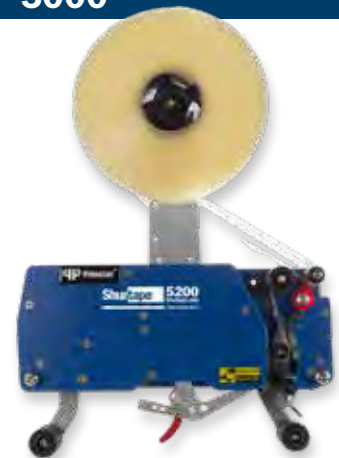


Durable Phoenix® E-1 electronic gummed tape dispenser designed to feed, moisten and cut water activated tape for case sealing applications. For use with tapes ranging from 1.5" to 3" in width, the E-1 dispenser smoothly dispenses tape lengths from 6" to 45" with the press of the front-mounted keypad to quickly and easily seal packages.

WP Series



SP 5000



Powder coated mild steel/anodized aluminum retrofit tape head for industrial automated carton sealing applications. Available in 2-inch and 3-inch models, SP 5000 retrofits all major brands of case erectors and sealers running up to 120 feet per minute.

HP Series and AP Series machine rolls



TAPE TIP

The E-1 electronic water-activated tape dispenser provides the advantage of programmable preset lengths for one-touch tape dispensing, as well as a thermostat-controlled heater, three-brush monitoring system, and self-oiling cutter for hassle-free maintenance.

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

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 72 mm 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](https://www.TapeUniversity.com).

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.

Good to the Core®

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.*

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.

Release Coating

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

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.

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 e-commerce and manual packaging operations.

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>

Applicable Standards

1	ASTM D 1974/D 1974M-16	7	CID A-A-1684C
2	ASTM D 5330, Type II	8	CID A-A-1689B, Type II
3	ASTM D 5486M-12, Type I, Class 2	9	FDA Indirect Contact CFR 21, 175.105
4	ASTM D5486M-12, Type II, Class 2	10	FDA Indirect Contact CFR 21, 177.1520
5	ASTM D 5486M-12, Type III	11	FDA Indirect Contact CFR 21, 177.1630
6	CID A-A-113D, Type I, Class A		

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