



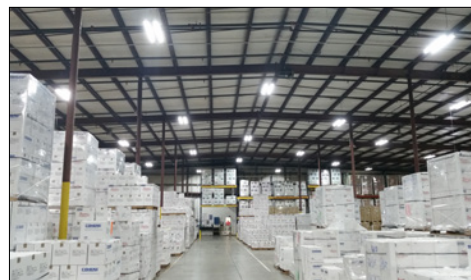
www.sta-tapes.com

PACKAGING TAPE



Made in the USA

STA Corporate Profile



Founded in 1976, STA's focus has always been to produce the best water based acrylic packaging tapes in the world. Our acrylic tapes are proudly made in the USA at our Rogersville, TN plant.

STA's acrylic adhesive tape is quick to grab onto cardboard with the bond growing stronger over time. It is easy to use and has proven long-term performance over a wide temperature range.

Over the years our acrylic packaging line has expanded to meet the changing market applications. Our Supreme™ and Cohere™ brands offer the broadest lines the industry has to offer.

Why STA Water-based Acrylic Products?

- Solvent-free
- Low-volatile organic compounds
- Non-toxic
- Low odor
- RoHS compliant
- CONEG compliant
- FDA compliant
- Superior temperature range vs. hot melt
- Resists UV lighting, yellowing and aging

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ACRYLIC

Whether you choose Supreme™ or Cohere™ products, rest assured you will get the most consistent, high performing and most reliable carton sealing tapes on the market.



	<i>Total Thickness (Mils)</i>	<i>Tensile Strength (Lbs/In)</i>	<i>Elongation (%)</i>	<i>Peel Adhesion (Oz/In)</i>	<i>Min/Max Application Temperatures (°F)</i>	<i>Min/Max Operation Temperatures (°F)</i>
TESTING METHOD		PSTC-131/ ASTM D3759	PSTC-131/ASTM D3759	PSTC-101/ ASTM D3330		



1060 ECONOMY		1.7	22	140	20	32 to 140	-20 to 200
1080 ECONOMY GENERAL		1.8	22	140	22	32 to 140	-20 to 200
1081 ECONOMY HIGH TACK		1.9	22	140	28	32 to 140	-20 to 200
1082 ECONOMY STANDARD		2.0	24	140	24	32 to 140	-20 to 200



1160 ECONOMY		1.7	22	140	22	32 to 140	-20 to 200
1180 GENERAL		1.8	22	140	24	32 to 140	-20 to 200
1181 HIGH TACK		1.9	22	140	30	32 to 140	-20 to 200
1182 STANDARD		2.0	24	140	26	32 to 140	-20 to 200
1242 PREMIUM		2.4	26	140	28	32 to 140	-20 to 200
1352 HEAVY DUTY		2.8	28	140	28	32 to 140	-20 to 200
1535 PREMIUM		3.1	30	140	30	32 to 140	-20 to 200



1241 HIGH PERFORMANCE		2.3	24	140	30	32 to 140	-20 to 200
1201 LABEL PROTECTION		1.6	22	140	17	32 to 140	-20 to 200
1382 SILENT SUPREME		2.0	24	140	26	32 to 140	-20 to 200
1322 HAND TEARABLE		2.2	N/A	N/A	24	32 to 140	-20 to 200



PRINTED ACRYLIC



Printed Tape

Supreme™ brand printed tape adheres quickly and consistently. Resistant to UV lighting, yellowing and aging, this tape is ideal for communicating shipping instructions, company advertisements, labeling boxes and protection against pilferage. Lock-in printing means your message will not smear or scratch off because it is applied to the underside of the film before coating with adhesive.



Stock Printed

TESTING METHOD		Total Thickness (Mils)	Tensile Strength (Lbs/In)	Elongation (%)	Peel Adhesion (Oz/In)	Min/Max Application Temperatures (°F)	Min/Max Operation Temperatures (°F)
			PSTC-131/ASTM D3759	PSTC-131/ASTM D3759	PSTC-101/ASTM D3330		
1245 "Fragile Handle With Care"		2.0	24	140	26	32 to 140	-20 to 200
1246 "Stop Check Contents Before Signing"		2.0	24	140	26	32 to 140	-20 to 200
1248 "Security Closure"		2.0	24	140	26	32 to 140	-20 to 200

Custom Printed *1 color print on clear or color tape. Contact your Account Manager for details.

1247 CUSTOM-PRINTED		2.0	24	140	26	32 to 140	-20 to 200
1257 CUSTOM-PRINTED		2.3	26	140	30	32 to 140	-20 to 200

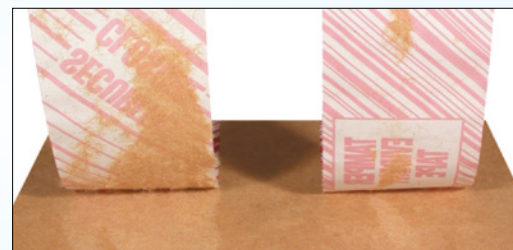


Why 1248 Supreme™ Security Tape?

With STA 1248 Supreme™ Security Tape, a tampered package is difficult to conceal. Its protective seal is a deterrent against theft, accidental, or even deliberate contamination. With uniquely formulated STA Supreme™ acrylic adhesive, 1248 can visibly pull off fibers if removed. Colors and messages can be customized. Don't let a rip-off go unnoticed.



1248 slit and resealed with a clear packaging tape. Printed diagonal lines clearly indicate tampering.






1248 with STA acrylic adhesive (left) compared to the competition with hot melt adhesive (right).

CARTON SEALING TAPE

Water Activated


Water Activated Tape adheres fast and permanently with its synthetic starch-fortified, non-toxic and odorless adhesive, even in dusty and dirty environments. It also provides protection against pilferage because packages cannot be resealed without detection.

TESTING METHOD		Paper Weight (Lbs)	Tensile Strength (Lbs/In)	Available Sizes
2575 PROVIDENT NONASPHALTIC 3-WAY REINFORCED		 44	47 MD* 30 CROSS MD**	70mm x 450'
2580 REGULAR GRADE NONASPHALTIC 3-WAY REINFORCED		 48	56 MD* 30 CROSS MD**	72mm x 450' 3" x 450'
2585 HEAVY DUTY NONASPHALTIC 3-WAY REINFORCED		 54	63 MD* 35 CROSS MD**	3" x 375'

*MD: Machine Direction **Cross MD: Cross Machine Direction


Filament Tape

Glass Reinforced Filament Tape is excellent for a variety of strapping needs, including bundling, unitizing, and palletizing. It can be applied to carpet, conduit, tubes and cartons. Its benefits include resistance to edge-bleeding, splitting and delaminating under severe shipping conditions.

TESTING METHOD		Total Thickness (Mils)	Tensile Strength (Lbs/In)	Elongation (%)	Peel Adhesion (Oz/In)	Min/Max Application Temperatures (°F)	Min/Max Operation Temperatures (°F)
6701 FILAMENT		3.9	100	5	78	32 to 150	0 to 176



Masking Tape

Masking Tape's strong adhesion provides sufficient strength in bundling lightweight packages. It is ideal for use in spray and brush painting, and splicing applications. Has great conformability, is non-staining and tears easily.

TESTING METHOD		PSTC-131/ ASTM D3759	PSTC-131/ ASTM D3759	PSTC-101/ ASTM D3330		
2505 MASKING		4.8	19	10	31	N/A

Hot Melt Adhesive

Hot Melt Tape provides a quick, aggressive seal with easy unwind and easy-to-use versatility. Guarantees your packages remain safe and secure while delivering reliable performance.

TESTING METHOD		Total Thickness (Mils)	Tensile Strength (Lbs/In)	Elongation (%)	Peel Adhesion (Oz/In)	Min/Max Application Temperatures (°F)	Min/Max Operation Temperatures (°F)
1616 Economy		1.6	22	140	33	32 to 120	-10 to 120
1619 Industrial		1.9	24	140	36	32 to 120	-10 to 120

+ 1616 select sizes available in tan



SUPREME DISPENSERS

The lightweight Supreme™ Dispensers come in a variety of versatile and easy-to-use designs, including easy loading capabilities, non-slip grips and adjustable brakes. Replacement blades and plastic flaps are available for STA pistol grip dispensers.

Self-Adjusting, Spring Loaded Tape Dispensers

Model	Description	Weight	Width		Diameter		Core		Units per box
			mm	in	mm	in	mm	in	
DP1003400	2" Standard, Pistol Grip	14 oz.	50	2	128	5	38 to 76	1.5 to 3	24
DP1005360	3" Standard, Pistol Grip	18 oz.	75	3	128	5	38 to 76	1.5 to 3	20
DP1003430	2" Noise Reducer, Pistol Grip	14 oz.	50	2	128	5	38 to 76	1.5 to 3	24
DP1005380	3" Noise Reducer, Pistol Grip	18 oz.	75	3	128	5	38 to 76	1.5 to 3	20

Medium Duty Tape Dispensers

Model	Description	Weight	Width		Diameter		Core		Units per box
			mm	in	mm	in	mm	in	
DP1003360	2" Standard, Pistol Grip, Adjustable Brake	16 oz.	50	2	128	5	76	3	24

Clam Shell Dispensers

Model	Description	Weight	Width		Diameter		Core		Units per box
			mm	in	mm	in	mm	in	
DP1007200	Plastic Clam Shell	4.5 oz.	76	2	127	5	76	3	24
DPET-266	Metal Clam Shell	11 oz.	50	2	140	5.5	76	3	60

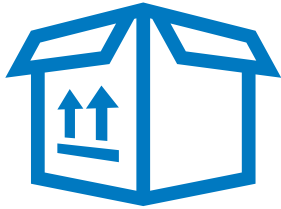
Desktop Dispensers

Model	Description	Weight	Width		Diameter		Core		Units per box
			mm	in	mm	in	mm	in	
DP2009231	Weighted Stationary	44 oz.	76	3	140	5.5	38	3	12

Note: Dispenser weights are approximate.



TAPE RECOMMENDATION GUIDE

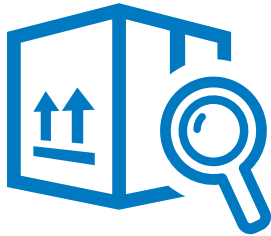


Which Carton Sealing Tape Should I Use?

	<i>Acrylic</i>	<i>Hot melt</i>
Application Temperature	32°F to 140°F	32°F to 120°F
Operating Temperature	-20°F to 200°F	-10°F to 120°F
Initial Adhesion	Very Good	Excellent
Peak Bond Strength	Excellent	Excellent
Resistance to Aging	Excellent	Fair
Inventory Shelf Life	Excellent	Fair
Clarity	Excellent	Good
Resistance to Lighting	Excellent	Fair

Which STA Products Should I Use?

(48mm Tape Width)



Box Weight	Box Length + Width + Height				
	20"	40"	60"	80"	100"
0-20 lbs	1060, 1616				
20-35 lbs	1160, 1080, 1081, 1082 1180, 1181, 1182, 1382, 1619				
35-50 lbs	1241, 1242, 1322				
50-65 lbs	1352				
65-90 lbs	1535				

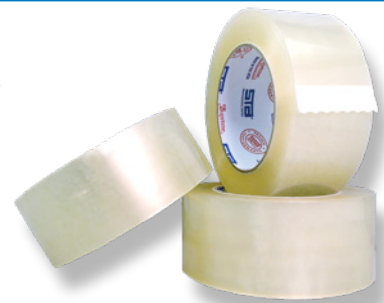
Tape Width Guide

72mm	For boxes over 16 inches wide
	Difficult to adhere surfaces
	For boxes where flaps or lids do not meet
	Under or over filled boxes
48mm	For boxes 15 inches wide or less
	For boxes where flaps or lids meet



Helpful Hints

- Always seal boxes with one strip of tape
- If using two 48mm tape strips, try using one 72mm tape strip instead (this will save you time and money)
- Always seal boxes a minimum of two inches down the side





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NOTE:

The information listed in this STA Product Catalog has been obtained from controlled laboratory tests and is reliable, but should not be used for the purpose of writing specifications. It is offered in good faith, but without guarantee, as conditions and methods of use of our products are beyond our control. It is recommended that the prospective user determine their suitability before adapting them on a commercial scale.