

Packaging Tape: 100 Light Duty Technical Data Sheet



FEATURES

Manufactured from biaxially oriented polypropylene (BOPP), this tape provides excellent tensile strength and resistance to breakage. It features a water-based acrylic adhesive that delivers consistent performance and versatility for general packaging applications, especially for carton sealing and carton liners.

The adhesive is environmentally friendly and solvent-free, offering reliable performance across a wide range of temperatures. It does not crystallize at low temperatures or soften at high temperatures, ensuring package integrity and product protection.

The water-based acrylic adhesive increases its bonding strength over time while maintaining its properties.



PRODUCT APPLICATION

Suitable for use in workshops and industrial applications such as case sealing, bundling, paper splicing, plastic wrapping, and sealing polyethylene bags and light- to medium-weight boxes. Can be applied manually or with tape dispensers.



COLORS

Clear ● Tan ● White ○



SUGGESTION

The application surface must be clean, dry, and free of grease, oil, and other contaminants.



LIFETIME AND STORAGE

Shelf life: 1 year from date of manufacture when stored in original packaging. Keep in a cool, dry place away from heat sources, direct sunlight, and areas exposed to roof heat.

Avoid storage directly on cold or damp floors, as this may affect product performance. Recommended storage conditions are 21 °C (70 °F) and 50% relative humidity.

It is recommended to rotate stock following the FIFO (First In, First Out) method.

Composition		Specification	
Backing	BOPP (Bi Oriented Polypropylene)		
Adhesive	Water-Based Acrylic		
Adhesive Activation	Pressure Sensitive		
Composition	Metric Unit	Standar Unit	Test Method
Backing Thickness	25 microns	1.0 mils	PSTC-133
Dry Adhesive Thickness	19 microns	0.7 mils	PSTC-133
Total Thickness	44 ± 1 microns	1.7 ± 0.039 mils	PSTC-133
Organic Solvent's Composition	0 %	0 %	N/A
Adhesive Properties	Metric Unit (Minimum Value)	Standar Unit (Minimum Value)	Test Method
Adhesion to Steel 180° (Peel)	550 g/inches	19 oz/inches	PSTC-101
Loop Tack (Stickness)	750 g/inches	26 oz/inches	PSTC-16
Shear 1"x1"x1kg (Holding Power)	50 hours	50 hours	PSTC-107
Primary Physical Properties	Metric Unit	Standar Unit	Test Method
Tensile Strength	35 ± 10% N/cm	20 ± 10% lb/inches	PSTC-131
Elongation	150 ± 20 %	150 ± 20 %	PSTC-131
Thermic / Electric Properties	Metric Unit	Standar Unit	Test Method
Minimum Temperature of Application	0 °C	32 °F	NTK
Maximum Temperature of Application	35 °C	95 °F	NTK
Measures	Metric Unit	Standar Unit	
Width	12, 18, 24, 36, 48, 72, 144 mm	1/2, 3/4, 1, 1 1/2, 2, 3, 5 2/3 inches	
Length	50, 100, 150, 910 m	55, 110, 166, 1000 yards	

Note: For special colors and sizes, please contact our sales department.



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