

Scotch® Box Sealing Tape 311



Technical Data

December, 2004

Product Description Scotch® Box Sealing Tape 311 is a general purpose box sealing tape designed specifically for utility type applications on light to medium weight boxes. The product offers good performance over broad temperature ranges; specifically in colder and damper applications; and adheres to recycled fiberboard.

Construction	Backing	Adhesive	Colors
	Biaxially oriented polypropylene film	Pressure sensitive acrylic. Requires no moisture, heat or solvent for activation.	Clear and tan

Typical Physical Properties

Note: The following technical information and data should be considered representative or typical only, and should not be used for specification purposes.

		ASTM Test Method
Adhesion to Steel:	22 oz./in. width (24 N/100 mm width)	D-3330
Tensile Strength:		
Machine Direction:	25 lbs./in. width (438 N/100 mm width)	D-3759
Cross Direction:	40 lbs./in. width (700 N/100 mm width)	D-3759
Elongation at Break:	125%	D-3759
Thickness - Backing:	1.1 mil (0.028 mm) nominal	D-3652
Total:	2.05 mil (0.052 mm) nominal	D-3652

- Features**
- Adheres instantly to a variety of surfaces.
 - Conformable backing.
 - Edge tear and split resistant.
 - Good aging in sunlight or fluorescent lighting.
 - Reliable closures.
 - Long life in use.

Available Sizes	Standard Widths:	48 mm
	Core Size (ID):	3 in.
	Lengths:	50 m, 100 m, 914 m, 1500 m

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311

Application Techniques An extensive line of application equipment including hand held manual dispensers and semi-automatic and fully automatic equipment is available. Scotch® Box Sealing Tape 311 has been applied to fiberboard boxes with good results at refrigeration temperatures of 32°F to 50°F (0°C to 10°C). Once applied, Scotch® Tape 311 performs well on fiberboard boxes subjected to temperatures below 32°F (0°C).

Storage Conditions Store in a clean, dry place. Temperature of 40-80°F (4-26°C) and 40 to 50% relative humidity are recommended.

Shelf Life When stored under recommended conditions, this product has a shelf life of 18 months from date of manufacture.

Product Use All statements, technical information and recommendations contained in this document are based upon tests or experience that 3M believes are reliable. However, many factors beyond 3M's control can affect the use and performance of a 3M product in a particular application, including the conditions under which the product is used and the time and environmental conditions in which the product is expected to perform. Since these factors are uniquely within the user's knowledge and control, it is essential that the user evaluate the 3M product to determine whether it is fit for a particular purpose and suitable for the user's method of application.

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