



Technical Data Sheet

3M™ Scotch® Box Sealing Tape 311+



[Product Details](#)

Product Description

Scotch® Box Sealing Tape 311+ is an industrial packaging tape for box sealing, splicing, recoupage and other demanding packaging applications on light to medium weight boxes. The product offers excellent performance over broad temperature ranges

Product Features

- Adheres instantly to a variety of surfaces
- Edge tear and split resistance
- Adheres well to recycled corrugate
- Complies with the environmental considerations of ASTM D 1974
- Conformable backing.
- Good aging in sunlight or fluorescent lighting.
- Long life in use.

Technical Information Note

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

Typical Physical Properties

Attribute Name	Test Method	Value
Color		Clear and Tan
Adhesive Type		Pressure sensitive acrylic
Backing		Biaxially oriented polypropylene film
Backing Thickness	ASTM D3652	0.028 mm (1.1 mil)
Total Tape Thickness	ASTM D3652	0.052 mm (2.05 mil)

Typical Performance Characteristics

Attribute Name	Test Method	Dwell Time	Temperature	Test Condition	Substrate	Value
180° Peel Adhesion	ASTM D3330	72 h	23 °C (73 °F)		Stainless Steel	41.6 N/100mm (38.0 oz/in) ¹
Elongation at Break	ASTM D3759					125 %
Tensile Strength	ASTM D3759			Machine Direction		438 N/100mm (25 lb/in)
Tensile Strength	ASTM D3759			Cross Direction		701 N/100mm (40 lb/in)

¹ 304 mm/min (12 in/min)

Handling/Application Information

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 freezer and refrigeration temperatures of 20°F to 50°F (-6.6°C to 10°C). Once applied, Scotch® Tape 311+ performs well on fiberboard boxes subjected to temperatures below 32°F (0°C).

Storage and Shelf Life

Store under normal conditions of 4° to 27°C (40° to 80°F) and 40 to 50% relative humidity in the original packaging, out of direct sunlight. For best performance, use this product within 18 months from date of manufacture.

Available Sizes

Attribute Name	Value
Core Size (ID)	76.2 mm (3 in)
Standard Roll Length	100, 914, 1500 m (109, 1000, 1641 yd)
Standard Width	48, 72 mm (1.9, 2.8 in)

Information

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