



Technical Data Sheet

3™ Scotch® Box Sealing Tape 311



[Product Details](#)



[Regulatory Info/SDS](#)

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

Product 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.

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)
*Note		Requires no moisture, heat or solvent for activation.

Typical Performance Characteristics

Substrate: Stainless Steel
Temperature: 22 °C (72 °F)
Dwell Time: 72 h

Attribute Name	Test Method	Value
180° Peel Adhesion	ASTM D3330	24.1 N/100mm (22.0 oz/in) ¹

¹ 12 in/min (300 mm/min)

Test Method: ASTM D3759

Attribute Name	Test Condition	Value
Elongation at Break		125 %
Tensile Strength	Machine Direction	438 N/100mm (25 lb/in)
Tensile Strength	Cross Direction	701 N/100mm (40 lb/in)

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 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 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	50, 100, 914, 1500 m (55, 109, 1000, 1641 yd)
Standard Width	48, 72 mm (1.9, 2.8 in)

Information

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ISO Statement

This product was manufactured under a 3M quality system registered to ISO 9001 standards.

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