



Technical Data Sheet

3M™ Scotch® Superior Performance Box Sealing Tape 355



[Product Details](#)



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Product Description

Product Description Scotch® Box Sealing Tape 355 is a superior performance packaging tape used for box sealing, splicing, recoupage and other demanding packaging applications. This product has a strong abrasion resistant backing and a very consistent pressure sensitive hot melt adhesive system available. This time proven construction assures high performance in a wide range of environments and applications.

Product Features

- Pressure sensitive hot melt rubber-resin adhesive.
- Can be certified to Fed. Spec. PPP-T-60E, Amend. 2, Type III, Class 2 (clear), CID A-A-1830B (clear), ASTM D5486 Type I, Class 2, Type II, Class 1 upon request.
- Adheres instantly to most surfaces, including cartons containing high levels of recycled content.
- Strong abrasion resistant backing with high edge tear and split resistance.
- Superior performance ensures reliable closures.

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 hot melt rubber-resin
Backing		Biaxially oriented polyester film
Backing Thickness	ASTM D3652	0.051 mm (2 mil)
Total Tape Thickness	ASTM D3652	0.087 mm (3.43 mil)

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	85.4 N/100mm (78.0 oz/in) ¹

¹ 12 in/min (300 mm/min)

Attribute Name	Test Method	Test Condition	Substrate	Value
Elongation at Break	ASTM D3759			130 %
Tensile Strength	ASTM D3759	Machine Direction		1173 N/100mm (67 lb/in)
Tensile Strength	ASTM D3759	Cross Direction		1208 N/100mm (69 lb/in)
Holding Power	ASTM D3654		Fiberboard	14,000+ 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. Application of Scotch® Box Sealing Tape 355 is most easily accomplished at room temperature. At colder temperatures, approaching 32°F (0°C), the adhesive becomes more firm. Once applied, Scotch® Tape 355 performs well throughout the normal temperature ranges typically encountered by packaged products in shipping and storage environments.

Industry Specifications

- Can be certified to Fed. Spec. PPP-T-60E, Amend. 2, Type III, Class 2 (clear) upon request.
- Can be certified to CID A-A-1830B (clear) upon request.

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)
Note	Imperial widths (1 1/2 in, 2 in, 3 in) and lengths (60 yd, 1000 yd) are available. Custom widths available upon request.
Standard Roll Length	50, 914 m (55, 1000 yd)
Standard Width	36, 48, 72 mm (1.4, 1.9, 2.8 in)

Information

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ISO Statement

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