



Technical Data Sheet

3M™ Scotch® High Performance Box Sealing Tape 353



[Product Details](#)

Product Description

Scotch® Box Sealing Tape 353 is a high performance packaging tape used for box sealing, splicing, recooperage and other demanding packaging applications. This product has a strong abrasion resistant backing and the most 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.
- Adheres instantly to most surfaces including cartons containing high levels of recycled content.
- Abrasion resistant backing with high edge tear and split resistance.
- High 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	0.025 mm (1 mil)
Total Tape Thickness	ASTM D3652	0.048 mm (1.9 mil)

Typical Performance Characteristics

Substrate: Stainless Steel
Temperature: 23 °C (73 °F)
Dwell Time: 72 h

Attribute Name	Test Method	Value
180° Peel Adhesion	ASTM D3330	49.3 N/100mm (45.0 oz/in) ¹

¹ 304 mm/min (12 in/min)

Attribute Name	Test Method	Test Condition	Substrate	Value
Elongation at Break	ASTM D3759			110 %
Tensile Strength	ASTM D3759	Machine Direction		438 N/100mm (25 lb/in)
Tensile Strength	ASTM D3759	Cross Direction		525 N/100mm (30 lb/in)
Holding Power	ASTM D3654		Fiberboard	8,000+ 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 353 is most easily accomplished at room temperature. At colder temperatures, approaching 32°F (0°C), the adhesive becomes more firm. Once applied, Scotch® Tape 353 performs well throughout the normal temperature ranges typically encountered by packaged products in shipping and storage environments.

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	Custom widths available upon request.
Standard Roll Length	50 m (55 yd)
Standard Width	48 mm (1.9 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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