



Technical Data Sheet

3M™ Scotch® High Tack Box Sealing Tape 3743



[Product Details](#)



[Regulatory Info/SDS](#)

Product Description

Scotch® Box Sealing Tape 3743 is a high-tack packaging tape used for box sealing, splicing, recoupage and other demanding packaging applications. This product has a heavy-duty, conformable backing and a high-tack, pressure-sensitive hot melt adhesive system. This construction assures high performance in a wide range of environments and applications, especially where high initial adhesion is needed, such as on recycled fiberboard or other hard-to-stick-to surfaces.

Product Features

- Meets CID A-A-1684B.
- Adheres instantly to most surfaces including cartons containing high levels of recycled content.
- Provides greater instant adhesion with light rub down on under-packed cartons.
- Heavy-duty, conformable backing with higher edge tear and split resistance.
- Complies with the environmental considerations of ASTM D 1974-92.
- 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, Tan
Adhesive Type		Pressure sensitive hot melt rubber-resin
Backing		Biaxially oriented 3M™ Scotchpro™ polypropylene film
Backing Thickness	ASTM D3652	0.041 mm (1.6 mil)
Total Tape Thickness	ASTM D3652	0.066 mm (2.6 mil)

Typical Performance Characteristics

Attribute Name	Test Method	Dwell Time	Temperature	Test Condition	Substrate	Value
Elongation at Break	ASTM D3759					160 %
Tensile Strength	ASTM D3759			Machine Direction		525 N/100mm (30 lb/in)
Tensile Strength	ASTM D3759			Cross Direction		1051 N/100mm (60 lb/in)
180° Peel Adhesion	ASTM D3330	72 h	22 °C (72 °F)		Stainless Steel	47.1 N/100mm (43.0 oz/in) ¹
Tack	ASTM D3121					6.3 mm (0.25 in)

¹ 12 in/min (300 mm/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 3743 may be applied to fiberboard boxes at temperatures of down to 40°F (4°C). Once applied, Scotch® Tape 3743 should perform well on fiberboard boxes subjected to temperatures below 32°F (0°C).

Industry Specifications

Meets CID A-A-1684B

Storage and Shelf Life

Store in a clean, dry place. Temperature of 40-80°F (4-26°C) and 40 to 50% relative humidity are recommended. To obtain 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 m (55 yd)
Standard Width	48 mm (1.9 in)

Information

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ISO Statement

This Industrial Adhesives and Tapes Division product was manufactured under a 3M quality system registered to ISO 9001 standards.

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