

Scotch® High Tack Box Sealing Tape 3743



Technical Data

July, 2007

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.

Construction	Backing	Adhesive	Colors
	Biaxially oriented 3M™ Scotchpro™ polypropylene film	Pressure sensitive hot melt rubber-resin	Clear, tan

Typical Physical Properties

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

		ASTM Test Method
Adhesion to Steel:	43 oz./in. width (47 N/100 mm width)	D-3330
Tack, Rolling Ball:	0.25 in. (6.3 mm)	D-3121
Tensile Strength:		
Machine Direction:	30 lbs./in. width (525 N/100 mm width)	D-3759
Cross Direction:	60 lbs./in. width (1050 N/100 mm width)	D-3759
Elongation at Break:	160%	D-3759
Thickness - Backing:	1.6 mil (0.041 mm)	D-3652
Total:	2.6 mil (0.066 mm)	D-3652
Holding Power to Fiberboard:	4,000+ minutes	D-3654

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.

Available Sizes

Standard Widths:	48 mm, 72 mm
Core Size (ID):	3 in.
Lengths:	50 m, 914 m

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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).

Storage Store under normal conditions of 70°F (21°C) and 50% R.H. in the original carton.

Shelf Life To obtain best performance, use this product within 18 months from date of manufacture.

Product Use All statements, technical information and recommendations contained in this document are based upon tests or experience that 3M believes are reliable. However, many factors beyond 3M's control can affect the use and performance of a 3M product in a particular application, including the conditions under which the product is used and the time and environmental conditions in which the product is expected to perform. Since these factors are uniquely within the user's knowledge and control, it is essential that the user evaluate the 3M product to determine whether it is fit for a particular purpose and suitable for the user's method of application.

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ISO 9001:2000

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