

Scotch® Reinforced Strapping Tape

862 • 863 • 864 • 865



Technical Data

June, 2009

Product Description Scotch® Strapping Tapes 862, 863, 864 and 865 are reinforced with continuous polypropylene monofilaments. The polypropylene backing provides excellent abrasion, moisture and scuff resistance. The adhesive is specifically formulated to provide good adhesion to metallic and fiberboard surfaces.

Construction

	Scotch® Tape 862	Scotch® Tape 863	Scotch® Tape 864	Scotch® Tape 865
Backing:	Polypropylene	Polypropylene	Polypropylene	Polypropylene
Adhesive:	Pressure sensitive synthetic rubber resin	Pressure sensitive synthetic rubber resin	Pressure sensitive synthetic rubber resin	Pressure sensitive synthetic rubber resin
Reinforcement:	Polypropylene	Polypropylene	Polypropylene	Polypropylene
Backing Color:	Black and Clear	Clear	Clear	Clear

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.

	Scotch® Tape 862	Scotch® Tape 863	Scotch® Tape 864	Scotch® Tape 865	ASTM Test Method
Adhesion to Steel:	50 oz./in. width (54 N/100 mm)	60 oz./in. width (65 N/100 mm)	67 oz./in. width (73 N/100 mm)	74 oz./in. width (80 N/100 mm)	D-3330
Tensile Strength:	120 lbs./in. width (2100 N/100 mm)	155 lbs./in. width (2713 N/100 mm)	190 lbs./in. width (3325 N/100 mm)	240 lbs./in. width (4200 N/100 mm)	D-3759
Elongation at Break:	30%	30%	30%	30%	D-3759
Total Thickness:	4.6 mil (0.12 mm)	5.0 mil (0.13 mm)	5.6 mil (0.14 mm)	6.4 mil (0.168 mm)	D-3652

Available Sizes

	Available Widths	Available Lengths
Scotch® Tape 862	Standard Widths: Clear: 9 mm (.35 in.), 12 mm (.47 in.), 18 mm (.71 in.), 24 mm (.94 in.), 36 mm (1.4 in.), 48 mm (1.9 in.) Black: 9 mm (.35 in.), 12 mm (.47 in.), 18 mm (.71 in.)	55 m (60 yds.) 55 m (60 yds.)
	Core Size (ID): 3 in. (76.2 mm) Non-standard sizes available.	
Scotch® Tape 863	Standard Widths: 9 mm (.35 in.), 12 mm (.47 in.), 18 mm (.71 in.), 24 mm (.94 in.), 48 mm (1.9 in.), 12 mm (.47 in.), 18 mm (.71 in.)	55 m (60 yds.) 330 m (361 yds.)
	Core Size (ID): 3 in. (76.2 mm) Non-standard sizes available.	
Scotch® Tape 864	Standard Widths: 12 mm (.47 in.), 18 mm (.71 in.), 24 mm (.94 in.), 36 mm (1.4 in.), 48 mm (1.9 in.), 12 mm (.47 in.), 18 mm (.71 in.), 24 mm (.94 in.)	55 m (60 yds.) 330 m (361 yds.)
	Core Size (ID): 3 in. (76.2 mm) Non-standard sizes available.	
Scotch® Tape 865	Standard Widths: 12 mm (.47 in.), 18 mm (.71 in.), 24 mm (.94 in.), 36 mm (1.4 in.), 48 mm (1.9 in.), 12 mm (.47 in.), 18 mm (.71 in.), 24 mm (.94 in.)	55 m (60 yds.) 330 m (361 yds.)
	Core Size (ID): 3 in. (76.2 mm) Non-standard sizes available.	

Scotch® Reinforced Strapping Tape

862 • 863 • 864 • 865

Storage Conditions Store behind present stock and in a clean, dry place. Temperature of 40-80°F (4-26°C) and 40 to 50% relative humidity are recommended. Rotate your stock.

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

Technical Information The technical information, recommendations and other statements contained in this document are based upon tests or experience that 3M believes are reliable, but the accuracy or completeness of such information is not guaranteed.

Product Use Many factors beyond 3M's control and uniquely within user's knowledge and control can affect the use and performance of a 3M product in a particular application. Given the variety of factors that can affect the use and performance of a 3M product, user is solely responsible for evaluating the 3M product and determining whether it is fit for a particular purpose and suitable for user's method of application.

Warranty, Limited Remedy, and Disclaimer Unless an additional warranty is specifically stated on the applicable 3M product packaging or product literature, 3M warrants that each 3M product meets the applicable 3M product specification at the time 3M ships the product. 3M MAKES NO OTHER WARRANTIES OR CONDITIONS, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OR CONDITION OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR ANY IMPLIED WARRANTY OR CONDITION ARISING OUT OF A COURSE OF DEALING, CUSTOM OR USAGE OF TRADE. If the 3M product does not conform to this warranty, then the sole and exclusive remedy is, at 3M's option, replacement of the 3M product or refund of the purchase price.

Limitation of Liability Except where prohibited by law, 3M will not be liable for any loss or damage arising from the 3M product, whether direct, indirect, special, incidental or consequential, regardless of the legal theory asserted, including warranty, contract, negligence or strict liability.

ISO 9001:2000

This Industrial Adhesives and Tapes Division product was manufactured under a 3M quality system registered to ISO 9001:2000 standards.

3M

Industrial Adhesives and Tapes Division

3M Center, Building 225-3S-06
St. Paul, MN 55144-1000
800-362-3550 • 877-369-2923 (Fax)
www.3M.com/industrial



Recycled Paper
40% pre-consumer
10% post-consumer

Scotch is a registered trademark of 3M.
Printed in U.S.A.
©3M 2009 70-0710-0254-0 (6/09)