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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.	

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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.

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