Scotch[®] Filament Tape 890T

3M

Technical Data June, 2009

Product Description

Scotch® Filament Tape 890T is a high-performance transparent packaging tape reinforced with continuous glass yarn filaments which gives the tape very high tensile strength. The 3MTM ScotchparTM backing provides excellent abrasion, moisture, and scuff resistance. The adhesive is an aggressive packaging adhesive specifically formulated to provide balanced performance, having both high adhesion and long-term holding power.

Construction	Backing	Adhesive	Reinforcement	Backing Color
	3M™ Scotchpar™ film	Pressure sensitive rubber resin	Glass yarn	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.

Adhesion to Steel: 70 oz./in. width (77 N/100 mm width)	D-3330
Adhesion to Steel. 70 02./iii. width (77 N/100 min width)	D 0000
Tensile Strength: 600 lbs./in. width (10,500 N/100 mm width)	D-3759
Elongation at Break: 3%	D-3759
Total Thickness: 8.0 mil (0.20 mm)	D-3652

Features

- Meets ASTM D5330, Type III (replaces PPP-T-97E and CID A-A-1687B).
- Abrasion and moisture resistant.
- · Good handling.
- Printable by the print seal process.
- Very high tensile strength.
- High shear strength.
- Good initial adhesion.
- Excellent aging before and after application.
- Good protection of filaments and adhesive to provide longer package life.

• Assures maximum package performance for limited outdoor use.

ASTM Test Method

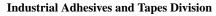
- Saves time through ease of dispensing and handling versus glue and strapping.
- Provides advertising and warning capability when printed.
- Low unit cost on applications where high tensile strength is main requirement by using less tape.
- Good holding under a wide range of application conditions with minimum amount of tape.
- Boxes remain securely closed through normal warehouse time cycles.

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Available Sizes	Standard Widths:	.47 in. (12 mm), .71 in. (18 mm), .94 in. (24 mm), 1.4 in. (36 mm), 1.9 in. (48 mm), and 2.4 in. (60 mm)		
	Core Size (ID):	3 in. (76.2 mm)		
	Lengths:	60 yds. (55 m)		
Application Techniques	An extensive line of application equipment including hand-held dispensers and an automatic L-Clip applicator is available. Application is most easily accomplished at room temperature. At lower temperatures, approaching 32°F (0°C), the adhesive becomes firm. Once applied, Scotch® Filament Tape 890T performs well throughout the normal temperature ranges encountered by packaged products in shipping and storage environments.			
Storage Conditions	Store behind present stock. Store in a clean, dry place. Temperature of 40-80°F (4-26°C) and 40-50% relative humidity are recommended. Rotate your stock.			
Shelf Life	To obtain best perforn manufacture.	nance, use this product within 18 months from date of		
Technical Information		cal information, recommendations and other statements contained in this document are tests or experience that 3M believes are reliable, but the accuracy or completeness of such 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.			
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Limitation of Liability	whether direct, indirect, spe	law, 3M will not be liable for any loss or damage arising from the 3M product, cial, incidental or consequential, regardless of the legal theory asserted, negligence or strict liability.		
		(ISO 9001:2000)		
	This Industrial Adhesives and Tapes I	Division product was manufactured under a 3M quality system registered to ISO 9001:2000 standards.		





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

