

Scotch® Filament Tape 890T



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 3M™ Scotchpar™ 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.

		ASTM Test Method
Adhesion to Steel:	70 oz./in. width (77 N/100 mm width)	D-3330
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.
- 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.
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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.
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Shelf Life	To obtain best performance, use this product within 18 months from date of manufacture.
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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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