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Scotch® Filament Tape 890C



Technical Data

June, 2009

Product Description

Scotch® Filament Tape 890C is a high performance black packaging tape reinforced with continuous glass yarn filaments which give the tape very high tensile strength. The black 3M™ Scotchpar™ backing provides outdoor weathering, 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
	Black 3M™ Scotchpar™ film	Pressure sensitive rubber resin	Glass yarn	Black

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 (0.202 mm)	D-3652

Features

- Meets ASTM D5330, Type IV (replaces PPP-T-97E).
- Protects tape from sunlight and ultra violet rays.
- Good handling.
- Printable by the print seal process.
- High shear strength.
- Good initial adhesion.
- Excellent aging before and after application.
- Excellent protection of filaments and adhesive to provide longer package life.
- Maximizes package performance when exposed to outdoor and humid environments.
- Saves time through ease of dispensing and handling versus glue and strapping.
- Low unit cost on applications where high tensile strength is main requirement by using less tape.

Scotch® Filament Tape

890C

Available Sizes	Standard Widths:	.47 in. (12 mm), .71 in. (18 mm), .94 in. (24 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 890C performs well throughout the normal temperature ranges encountered by packaged products in shipping and storage environments, even when exposed to moderate amounts of sunlight.
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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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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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This Industrial Adhesives and Tapes Division product was manufactured under a 3M quality system registered to ISO 9001:2000 standards.



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