

Scotch® Filament Tape 8919



Technical Data

June, 2009

Product Description

Scotch® Filament Tape 8919 is a high-performance transparent tape reinforced with continuous high strength glass filaments. The tape is designed to hold appliance parts together during manufacture and shipping. The heavy 3M™ Scotchpar™ film backing provides greater stiffness and excellent abrasion, moisture, and scuff resistance. The pressure sensitive adhesive is specifically formulated to provide high adhesion, clean removal, and stain resistance on most finishes.

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:	100 oz./in. width (109 N/100 mm width)	D-3330
Tensile Strength:	380 lbs./in. width (6650 N/100 mm width)	D-3759
Elongation at Break:	3%	D-3759
Total Thickness:	7 mil (0.18 mm)	D-3652

Features

- Balanced adhesive.
- Smooth adhesive.
- Glass filament reinforcement.
- Less flexible tape.
- Abrasion- and moisture-resistant.
- Printable by the Print-Seal process.
- High shear strength. Good initial adhesion. Generally stain resistant.
- Minimum odor.
- Stain resistant to most synthetic enamel and lacquer finishes.*
- Nearly complete contact with application surface.
- High tensile strength and impact resistance coupled with low stretch under stress.
- Easy to dispense and handle when used with 3M dispensers.
- Excellent protection of filaments and adhesive to allow use of less tape.
- Provides advertising and warning capability when printed.
- Good holding under stress with a minimum amount of tape and application effort, yet allows easy removal without excessive adhesive residue, or stain. Allows tape to be used on or in appliances during storage and shipping.
- Doors and other movable parts are held securely in place to guard against damage.

*Tests should be conducted when staining is a factor.

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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), 2.8 in. (72 mm), and 3.8 in. (96 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 manual dispensers, stationary definite-length dispensers, and an automatic L-Clip applicator is available. Application of Scotch® Filament Tape 8919 is most easily accomplished at room temperature. At lower temperatures, approaching 32°F (0°C), the adhesive becomes firm. Once applied, Scotch® Tape 8919 performs well throughout the normal temperature ranges typically 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 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.

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