

# Scotch® Filament Tape

## 8919MSR



### Temporary Technical Data Sheet

#### Product Description

Scotch® Filament Tape 8919MSR is a high-performance transparent filament tape reinforced along its length with continuous fiberglass-yarn filaments, which gives the tape a very high tensile strength. The tape is designed to hold a variety of metal appliance parts together during manufacture and shipping. The heavy clear polyester film backing provides greater stiffness and excellent abrasion, moisture, and scuff resistance. The pressure sensitive modified synthetic rubber resin adhesive is specifically formulated to provide high adhesion to oily metal surfaces, clean removal, and stain resistance on a wide variety of surfaces.

#### Construction

Backing	Adhesive	Reinforcement	Backing Color
Polyester film	Pressure sensitive modified synthetic 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:	105 oz./in. width (110 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.
- Good oily metal adhesion.
- 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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<b>Available Sizes</b>	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)

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**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 8919MSR is most easily accomplished at room temperature. At lower temperatures, approaching 32°F (0°C), the adhesive becomes firm. Once applied, Scotch® Tape 8919MSR performs well throughout the normal temperature ranges typically 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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**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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**ISO 9001:2008**

This Industrial Adhesives and Tapes Division product was manufactured under a 3M quality system registered to ISO 9001:2008 standards.



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