

June, 2015

3M™ Scotch® Filament Tape 8919MSR

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.



Product 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 stayd 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.

Technical Information Note

The following technical information and data should be considered representative or typical only and should not be used for specification purposes.

Typical Physical Properties

Property	Values		Method
Backing Color	Transparent		
Total Thickness	0.18 mm	7 mil	ASTM D3652
Backing	Polyester film		
Adhesive	Pressure sensitive modified synthetic rubber resin		
Reinforcement	Glass yarn		

Typical Performance Characteristics

180° Peel Adhesion		Backing	Notes	Substrate
10.8 N/cm	99 oz/in	2 mil Aluminum Foil	12 in/min (300 mm/min) 72 hr dwell on Stainless Steel	
108 N/100mm				Stainless Steel

Property: 180° Peel Adhesion
Method: ASTM D3330

Tensile Strength			
665 N/cm		6655 N/100mm	380 lb/in

Property: Tensile Strength
Method: ASTM D3759

Elongation at Break: 5 %

Methods

ASTM D3759

Handling/Application Information

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.

Storage and Shelf Life

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. To obtain best performance, use this product within 18 months from date of manufacture.

Trademarks

Scotch is a registered trademark of 3M.

References

Property	Values
3m.com Product Page	https://www.3m.com/3M/en_US/company-us/all-3m-products/-/Scotch-Filament-Tape-8919MSR?N=5002385+3293241025&rt=rud
Safety Data Sheet (SDS)	https://www.3m.com/3M/en_US/company-us/SDS-search/results/?gsaAction=msdsSRA&msdsLocale=en_US&co=ptn&q=8919MSR

ISO Statement

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

Technical Information

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