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3M™ Scotch® Filament Tape 897

Product Description

Scotch® Filament Tape 897 is a glass-filament-reinforced tape suitable for light to medium duty strapping, bundling, and reinforcing applications. Scotch® Tape 897 has a synthetic rubber adhesive with good adhesion to most fiberboard surfaces and to a variety of plastic and metal surfaces.

Product Features

- UL recognized 969 file MH26206
- Abrasion and moisture resistant.
- Allows printing and illustrations to be seen through the tape.
- Good shear and initial adhesion.
- Good aging.
- Protection of filaments and adhesive to provide longer package life.
- Maximizes package performance when exposed to outdoor and humid environments.
- Less tape needed for applications where high tensile strength is a main requirement.
- Clear display of graphics, artwork, and other important messages.
- Good holding with minimum amount of tape under wide range application conditions.
- Hold with minimum rubdown.
- Boxes remain closed for long period of time.



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	Clear		
Total Tape Thickness	0.127 mm	5 mil	ASTM D3652
Backing	Polypropylene film		
Adhesive	Pressure sensitive synthetic rubber		
Reinforcement	Glass yarn		

Typical Performance Characteristics

Peel Adhesion		
5.5 N/cm	55 N/100mm	50 oz/in

Property: Peel Adhesion
Method: ASTM D3330
Substrate: Stainless Steel

Tensile Strength		
297.7 N/cm	2977 N/100mm	170 lb/in

Property: Tensile Strength
Method: ASTM D3759

Elongation at Break: 4 %

Methods
ASTM D3759

Handling/Application Information

Application Techniques

An extensive line of hand-held dispensers is available. Application of Scotch® Filament Tape 897 is most easily accomplished at room temperature. At lower temperatures, approaching 32°F (0°C), the adhesive becomes firm. Once applied, Scotch® Tape 897 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.

Information

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Trademarks

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References

Safety Data Sheet (SDS)

https://www.3m.com/3M/en_US/company-us/SDS-search/results/?gsaAction=msdsSRA&msdsLocale=en_US&co=ptn&q=897

ISO Statement

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

