



Technical Data Sheet

3M™ Scotch® Filament Tape 897



[Product Details](#)



[Regulatory Info/SDS](#)

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

Attribute Name	Test Method	Value
Adhesive Type		Pressure sensitive synthetic rubber
Backing		Biaxial Oriented Polypropylene(BOPP)
Backing Color		Clear
Fiber Reinforcement		Glass Yarn
Total Tape Thickness	ASTM D3652	0.127 mm (5 mil)

Typical Performance Characteristics

Attribute Name	Test Method	Dwell Time	Temperature	Substrate	Value
180° Peel Adhesion	ASTM D3330	72 h	23 °C (73 °F)	Stainless Steel	55 N/100mm (50 oz/in) ¹
Elongation at Break	ASTM D3759				4 %
Tensile Strength	ASTM D3759				297.7 N/cm (2977 N/100mm) (170 lb/in)

¹ 304 mm/min (12 in/min)

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 under normal conditions of 4° to 27°C (40° to 80°F) and 40 to 50% relative humidity in the original packaging, out of direct sunlight. For best performance, use this product within 18 months from date of manufacture.

Information

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ISO Statement

This product was manufactured under a 3M quality system registered to ISO 9001 standards.

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