

Scotch® Filament Tape 897



Technical Data

April, 2007

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 resin adhesive with good adhesion to most fiberboard surfaces and to a variety of plastic and metal surfaces.

Construction

Backing	Adhesive	Reinforcement	Backing Color
3M™ Scotchpro™ film	Pressure sensitive 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:	60 oz./in. width (65 N/100 mm width)	D-3330
Tensile Strength:	170 lbs./in. width (2980 N/100 mm width)	D-3759
Elongation at Break:	3%	D-3759
Total Thickness:	6 mil (0.15 mm)	D-3652

Features

- Polypropylene film.
- Abrasion and moisture resistant.
- High tensile strength.
- 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.

Available Sizes

Standard Widths:	9 mm (.35 in.), 12 mm (.47 in.), 18 mm (.71 in.), 24 mm (.94 in.), 36 mm (1.4 in.), and 48 mm (1.9 in.)
Core Size (ID):	3 in. (76.2 mm)
Lengths:	55 m (60 yds.)

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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 Conditions Store behind present stock. Store in a clean, dry place. Temperature of 40-80°F (4-26°C) and 40 to 50% relative humidity are recommended. Rotate your stock.

Product Use All statements, technical information and recommendations contained in this document are based upon tests or experience that 3M believes are reliable. However, many factors beyond 3M's control can affect the use and performance of a 3M product in a particular application, including the conditions under which the product is used and the time and environmental conditions in which the product is expected to perform. Since these factors are uniquely within the user's knowledge and control, it is essential that the user evaluate the 3M product to determine whether it is fit for a particular purpose and suitable for the user's method of application.

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ISO 9001:2000

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