

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.
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ISO 9001:2000

This Industrial Adhesives and Tapes Division product was manufactured under a 3M quality system registered to ISO 9001:2000 standards.



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