

Scotch® Filament Tape 896



Technical Data

May, 2003

Product Description

Scotch® Filament Tape 896 is a general-purpose medium tensile strength tape reinforced with continuous glass-yarn filaments. The white backing provides an excellent “background” surface for custom-printed tape applications using “topside” flexographic printing methods and the 3M™ Print Seal™ process. The aggressive packaging-grade adhesive is specifically formulated to provide balanced performance, having both high initial adhesion and long-term holding power to most fiberboard surfaces. Suitable for use in most general-purpose box closing, bundling, and pallet unitizing applications.

Construction

Backing	Adhesive	Reinforcement	Backing Color
3M™ Scotchpro™ film	Pressure-sensitive synthetic rubber resin	Glass yarn	White

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:	50 oz./in. width (55 N/100 mm width)	D-3330
Tensile Strength:	240 lbs./in. width (4200 N/100 mm width)	D-3759
Elongation at Break:	3%	D-3759
Total Thickness:	5.4 mil (0.21 mm)	D-3652

*Based on limited production. As sufficient production data is gathered, a revised data sheet will be issued.

Features

- Abrasion and moisture resistant.
- Good handling.
- Medium tensile strength combined with low stretch.
- Nick resistant.
- High shear and good initial adhesion.
- Good protection of filaments and adhesive to provide longer package life.
- Saves time through ease of dispensing and handling when used with 3M dispensers.
- Medium level of tensile strength allows use of less tape to reduce cost per application.
- Pallet won't break apart when tape is nicked and stays tight when impacted.
- Good holding under wide range of application conditions with minimum amount of tape.
- Holds instantly with minimum rubdown.

Scotch® Filament Tape

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

Application Techniques	An extensive line of application equipment including hand-held manual dispensers is available. Application of Scotch® Filament Tape 896 is most easily accomplished at room temperature. At lower temperatures, approaching 32°F (0°C), the adhesive becomes firm. Once applied, Scotch® Tape 896 performs well throughout the normal temperature ranges typically encountered by packaged products in shipping and storage environments.
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Storage Conditions	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.
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For Additional Information	To request additional product information or to arrange for sales assistance, call toll free 1-800-362-3550 or visit www.3M.com/packaging . Address correspondence to: 3M Industrial Adhesives and Tapes Division, Building 21-1W-10, 900 Bush Avenue, St. Paul, MN 55144-1000. Our fax number is 651-778-4244. In Canada, phone: 1-800-364-3577. In Puerto Rico, phone: 1-787-750-3000. In Mexico, phone: 52-70-04-00.
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ISO 9002

This Industrial Adhesives and Tapes Division product was manufactured under a 3M quality system registered to ISO 9002 standards.



**Industrial Business
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