Scotch®
Filament Tape
896

Technical Data **June, 2009**

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:	60 oz./in. width (66 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

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.

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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.

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.

Shelf Life

To obtain best performance, use this product within 18 months from date of manufacture.

Technical Information

The technical information, recommendations and other statements contained in this document are based upon tests or experience that 3M believes are reliable, but the accuracy or completeness of such information is not guaranteed.

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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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Printed in U.S.A.
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