

Scotch® Filament Tape 894



Technical Data

May, 2003

Product Description

Scotch® Filament Tape 894 is a general-purpose packaging tape reinforced with continuous glass-yarn filaments that give the tape high tensile strength and low stretch. The 3M™ Scotchpro™ Film backing provides excellent abrasion and moisture resistance. The aggressive packaging-grade adhesive is specifically formulated to provide an excellent balance of high initial adhesion and long-term holding power to most surfaces. When used in bundling, reinforcing, or coil tabbing applications, where high temperatures and/or oily surfaces are involved, tests should be conducted per the individual application before extensive use to determine the tape's suitability.

Construction

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

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:	55 oz./in. width (60 N/100 mm width)	D-3330
Tensile Strength:	300 lbs./in. width (5250 N/100 mm width)	D-3759
Elongation at Break:	4.5%	D-3759
Total Thickness:	6.0 mil (0.15 mm)	D-3652

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

Features

- Protects adhesive from sunlight and ultraviolet rays.
- Good handling.
- High tensile strength combined with low stretch.
- Good initial and high shear adhesion.
- Black film backing makes outdoor storage possible.
- Tough film backing protects the filaments and adhesive to provide longer functional tape performance.
- Good handling characteristics saves time through ease of dispensing and tape application.
- High tensile strength allows use of less tape in many applications and lowers cost per application.
- Adhesive provides good holding under a wide range of application conditions with minimum amount of tape.
- Holds instantly with minimum rubdown.

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Available Sizes	Standard Widths:	.71 in. (18 mm)
	Core Size (ID):	3 in. (76.2 mm)
	Lengths:	60 yds. (55 m)

Application Techniques An extensive line of application equipment is available including hand-held manual dispensers and an automatic L-clip applicator. Application of Scotch® Filament Tape 894 is most easily accomplished at room temperature because at colder temperatures, approaching 32°F (0°C), the adhesive becomes firmer. Once applied, Scotch® Tape 894 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.

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



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