Scotch[®] Filament Tape

3M

899

Technical Data June, 2009

Product Description

Scotch® Filament Tape 899 is a high-performance packaging tape reinforced with continuous glass-yarn filaments that give the tape very high tensile strength and low stretch. The red 3MTM ScotchproTM Film backing provides excellent abrasion and moisture resistance. The aggressive packaging-grade adhesive is specifically formulated to provide an excellent balance of initial adhesion and long-term holding power to most fiberboard surfaces, including recycled and printed fiberboard 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 synthetic rubber resin	Glass yarn	Red

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:	70 oz./in. width (76 N/100 mm width)	D-3330
Tensile Strength:	360 lbs./in. width (6300 N/100 mm width)	D-3759
Elongation at Break:	3%	D-3759
Total Thickness:	6.6 mil (0.168 mm)	D-3652

Features

- Easily identifiable.
- Abrasion and moisture resistant.
- Good handling.
- High tensile strength combined with low stretch.
- High shear and good initial adhesion.
- Very good long-term holding power.
- The red color is highly attractive for printed boxes and conspicuous for easy tape identification.

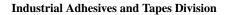
- Tough film backing protects the filaments and adhesive to provide longer functional tape performance.
- Good handling characteristics, saves time through ease of dispensing and tape application.
- High tensile strength allows the use of less tape in many applications and lowers the cost per application.
- Adhesive provides very good holding under wide range of application conditions with minimum amount of tape.
- Holds instantly with minimum rubdown.
- Boxes remain securely closed through normal warehouse time cycles.

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Available Sizes	Standard Widths:	.47 in. (12 mm), .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 including hand-held manual dispensers and the 3M-Matic TM Semi-Automatic L-Clip Applicator S857 is available. Application of Scotch® Filament Tape 899 is most easily accomplished at room temperature. At colder temperatures, approaching 32°F (0°C), the adhesive becomes firmer. Once applied, Scotch® Tape 899 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.		
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3M Center, Building 225-3S-06 St. Paul, MN 55144-1000 800-362-3550 • 877-369-2923 (Fax) www.3M.com/industrial

