

# Scotch® Filament Tape 893

## Technical Data

July 2017

**Product Description** Scotch® Filament Tape 893 is a general-purpose packaging tape reinforced along its length with continuous glass-yarn filaments, which give the tape high tensile strength. The transparent polypropylene backing provides excellent abrasion, moisture and scuff resistance. The adhesive is an aggressive rubber adhesive specifically formulated to provide balanced performance having both high adhesion and long term holding power.

Construction	Backing	Adhesive	Reinforcement	Backing Color
	Polypropylene	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:	50 oz./in. width (55 N/100 mm width)	D-3330
Tensile Strength:	300 lbs./in. width (5254 N/100 mm width)	D-3759
Elongation at Break:	4%	D-3759
Total Thickness:	5.3 mil (0.135 mm)	D-3652

### Features

- Abrasion and moisture resistant.
- High tensile strength with low stretch.
- Conformable to a wide range of shapes.
- Allows printing and illustrations to be seen through the tape.
- High shear and great initial adhesion.
- Excellent aging.
- Good protection of filaments and adhesive to provide longer package life.
- Assures maximum package performance for limited outdoor use.
- Saves time through ease of dispensing and handling when used with a 3M dispenser.
- Provides advertising, warning, and labeling capability when printed.
- Low unit costs by using less tape on applications where high tensile strength is one of the main requirements.
- Adhesive provides good holding, with minimum amount of tape, under a wide range of application conditions.
- Holds instantly with minimum rubdown.
- Boxes remain securely closed through normal warehouse time cycles.

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Application Techniques	<p>An extensive line of application equipment including hand-held manual dispensers and the automatic 3M-Matic™ L-Clip Applicator S867 are available. Application of Scotch® Filament Tape 893 is most easily accomplished at room temperature.</p> <p>At colder temperatures, approaching 32°F (0°C), the adhesive becomes stiff. Once applied, Scotch® Filament Tape 893 performs well throughout the normal temperature ranges typically encountered in shipping and storage environments.</p>
Storage Conditions	<p>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.</p>
Shelf Life	<p>To obtain best performance, use this product within 24 months from date of manufacture.</p>
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ISO 9001

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Industrial Adhesives and Tapes Division  
3M Center, Building 225-3S-06  
St. Paul, MN 55144-1000  
800-362-3550 • 877-369-2923 (Fax)

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