

# Scotch® Filament Tape 898



## Technical Data

July, 2009

### Product Description

Scotch® Filament Tape 898 is a high-performance transparent packaging tape reinforced along its length with continuous glass-yarn filaments, which give the tape very high tensile strength. The transparent 3M™ Scotchpro™ backing provides excellent abrasion, moisture and scuff resistance. The adhesive is an aggressive packaging adhesive specifically formulated to provide balanced performance having both high adhesion and long term holding power.

### Construction

| Backing             | Adhesive                                  | Reinforcement | Backing Color |
|---------------------|-------------------------------------------|---------------|---------------|
| 3M™ Scotchpro™ film | 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:   | 70 oz./in. width (77 N/100 mm width)     | D-3330 |
| Tensile Strength:    | 380 lbs./in. width (6650 N/100 mm width) | D-3759 |
| Elongation at Break: | 5%                                       | D-3759 |
| Total Thickness:     | 6.6 mil (0.17 mm)                        | D-3652 |

### Features

- Meets ASTM D5330, Type II (replaces PPP-T-97E and CID A-A-1686A).
- Abrasion and moisture resistant.
- Good handling.
- High tensile strength.
- 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 and warning capability when printed.
- Low unit costs by using less tape on applications where high tensile strength is one of the main requirements.
- 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.

# Scotch® Filament Tape

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| Available Sizes | Available Widths                                                                                                                                                           | Available Lengths |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|
|                 | Standard Widths: .24 in. (6 mm), .35 in. (9 mm), .47 in. (12 mm), .59 in. (15 mm), .71 in. (18 mm), .94 in. (24 mm), 1.4 in. (36 mm), 1.9 in. (48 mm), and 2.8 in. (72 mm) | 60 yds. (55 m)    |
|                 | .47 in. (12 mm), .59 in. (15 mm), and .71 in. (18 mm)                                                                                                                      | 360 yds. (330 m)  |
|                 | Core Size (ID): 3 in. (76.2 mm)                                                                                                                                            |                   |

|                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
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| <b>Application Techniques</b> | An extensive line of application equipment including hand-held manual dispensers and an automatic L-Clip applicator, the 3M-Matic™ S867, is available. Application of Scotch® Filament Tape 898 is most easily accomplished at room temperature. At colder temperatures, approaching 32°F (0°C), the adhesive becomes firm. Once applied, Scotch® Tape 898 performs well throughout the normal temperature ranges typically encountered by packaged products in shipping and storage environments. |
|-------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

|                           |                                                                                                                                                           |
|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Storage Conditions</b> | 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. |
|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|

|                   |                                                                                         |
|-------------------|-----------------------------------------------------------------------------------------|
| <b>Shelf Life</b> | To obtain best performance, use this product within 18 months from date of manufacture. |
|-------------------|-----------------------------------------------------------------------------------------|

|                              |                                                                                                                                                                                                                                      |
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| <b>Technical Information</b> | 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.



## Industrial Adhesives and Tapes Division

3M Center, Building 225-3S-06  
St. Paul, MN 55144-1000  
800-362-3550 • 877-369-2923 (Fax)  
www.3M.com/industrial



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