

# 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.

# Scotch® Filament Tape

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|                        |                  |                                                                      |
|------------------------|------------------|----------------------------------------------------------------------|
| <b>Available Sizes</b> | 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)                                                       |

|                               |                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Application Techniques</b> | 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. |
|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

|                           |                                                                                                                                                           |
|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| <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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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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