

# 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

896

|                 |                  |                                                                      |
|-----------------|------------------|----------------------------------------------------------------------|
| Available Sizes | 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)                                                       |

|                        |                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Application Techniques | 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. |
|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

|                    |                                                                                                                                                           |
|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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. |
|------------|-----------------------------------------------------------------------------------------|

|                       |                                                                                                                                                                                                                                      |
|-----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Technical Information | 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. |
|-----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

|             |                                                                                                                                                                                                                                                                                                                                                                                                                            |
|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Use | Many factors beyond 3M's control and uniquely within user's knowledge and control can affect the use and performance of a 3M product in a particular application. Given the variety of factors that can affect the use and performance of a 3M product, user is solely responsible for evaluating the 3M product and determining whether it is fit for a particular purpose and suitable for user's method of application. |
|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

|                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Warranty, Limited Remedy, and Disclaimer | Unless an additional warranty is specifically stated on the applicable 3M product packaging or product literature, 3M warrants that each 3M product meets the applicable 3M product specification at the time 3M ships the product. 3M MAKES NO OTHER WARRANTIES OR CONDITIONS, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OR CONDITION OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR ANY IMPLIED WARRANTY OR CONDITION ARISING OUT OF A COURSE OF DEALING, CUSTOM OR USAGE OF TRADE. If the 3M product does not conform to this warranty, then the sole and exclusive remedy is, at 3M's option, replacement of the 3M product or refund of the purchase price. |
|------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

|                         |                                                                                                                                                                                                                                                                                  |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Limitation of Liability | Except where prohibited by law, 3M will not be liable for any loss or damage arising from the 3M product, whether direct, indirect, special, incidental or consequential, regardless of the legal theory asserted, including warranty, contract, negligence or strict liability. |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

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



Recycled Paper  
40% pre-consumer  
10% post-consumer

Scotch is a registered trademark of 3M.  
3M, Scotchpro and Print Seal are  
trademarks of 3M.  
Printed in U.S.A.  
©3M 2009 70-0710-0275-5 (6/09)