

# Scotch®

## Reinforced Strapping Tape

862 • 863 • 864 • 865



### Technical Data

March, 2003

**Product Description** Scotch® Strapping Tapes 862, 863, 864 and 865 are reinforced with continuous polypropylene monofilaments. The polypropylene backing provides excellent abrasion, moisture and scuff resistance. The adhesive is specifically formulated to provide good adhesion to metallic and fiberboard surfaces.

### Construction

|                | Scotch® Tape 862                          | Scotch® Tape 863                          | Scotch® Tape 864                          | Scotch® Tape 865                          |
|----------------|-------------------------------------------|-------------------------------------------|-------------------------------------------|-------------------------------------------|
| Backing:       | Polypropylene                             | Polypropylene                             | Polypropylene                             | Polypropylene                             |
| Adhesive:      | Pressure sensitive synthetic rubber resin | Pressure sensitive synthetic rubber resin | Pressure sensitive synthetic rubber resin | Pressure sensitive synthetic rubber resin |
| Reinforcement: | Polypropylene                             | Polypropylene                             | Polypropylene                             | Polypropylene                             |
| Backing Color: | Black and Clear                           | Clear                                     | Clear                                     | 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.**

|                      | Scotch® Tape 862                      | Scotch® Tape 863                      | Scotch® Tape 864                      | Scotch® Tape 865                      | ASTM Test Method |
|----------------------|---------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|------------------|
| Adhesion to Steel:   | 50 oz./in. width<br>(54 N/100 mm)     | 60 oz./in. width<br>(65 N/100 mm)     | 67 oz./in. width<br>(73 N/100 mm)     | 74 oz./in. width<br>(80 N/100 mm)     | D-3330           |
| Tensile Strength:    | 120 lbs./in. width<br>(2100 N/100 mm) | 155 lbs./in. width<br>(2713 N/100 mm) | 190 lbs./in. width<br>(3325 N/100 mm) | 240 lbs./in. width<br>(4200 N/100 mm) | D-3759           |
| Elongation at Break: | 30%                                   | 30%                                   | 30%                                   | 30%                                   | D-3759           |
| Total Thickness:     | 4.6 mil (0.12 mm)                     | 5.0 mil (0.13 mm)                     | 5.6 mil (0.14 mm)                     | 6.4 mil (0.168 mm)                    | D-3652           |

### Available Sizes

|                  | Available Widths | Available Lengths                                                                                             |
|------------------|------------------|---------------------------------------------------------------------------------------------------------------|
| Scotch® Tape 862 | Standard Widths: | Clear: 9 mm (.35 in.), 12 mm (.47 in.), 18 mm (.71 in.),<br>24 mm (.94 in.), 36 mm (1.4 in.), 48 mm (1.9 in.) |
|                  |                  | Black: 9 mm (.35 in.), 12 mm (.47 in.), 18 mm (.71 in.)                                                       |
|                  | Core Size (ID):  | 3 in. (76.2 mm) Non-standard sizes available.                                                                 |
| Scotch® Tape 863 | Standard Widths: | 9 mm (.35 in.), 12 mm (.47 in.), 18 mm (.71 in.),<br>24 mm (.94 in.), 48 mm (1.9 in.)                         |
|                  |                  | 12 mm (.47 in.), 18 mm (.71 in.)                                                                              |
|                  | Core Size (ID):  | 3 in. (76.2 mm) Non-standard sizes available.                                                                 |
| Scotch® Tape 864 | Standard Widths: | 12 mm (.47 in.), 18 mm (.71 in.), 24 mm (.94 in.),<br>36 mm (1.4 in.), 48 mm (1.9 in.)                        |
|                  |                  | 12 mm (.47 in.), 18 mm (.71 in.), 24 mm (.94 in.)                                                             |
|                  | Core Size (ID):  | 3 in. (76.2 mm) Non-standard sizes available.                                                                 |
| Scotch® Tape 865 | Standard Widths: | 12 mm (.47 in.), 18 mm (.71 in.), 24 mm (.94 in.),<br>36 mm (1.4 in.), 48 mm (1.9 in.)                        |
|                  |                  | 12 mm (.47 in.), 18 mm (.71 in.), 24 mm (.94 in.)                                                             |
|                  | Core Size (ID):  | 3 in. (76.2 mm) Non-standard sizes available.                                                                 |

# Scotch® Reinforced Strapping Tape

862 • 863 • 864 • 865

---

## Storage Conditions

Store behind present stock and in a clean, dry place. Temperature of 40-80°F (4-26°C) and 40 to 50% relative humidity are recommended. Rotate your stock.

---

## Precautionary Information

Refer to Product Label and Material Safety Data Sheet for health and safety information before using this product. For additional health and safety information, call 1-800-364-3577 or (651) 737-6501.

---

## For Additional Information

To request additional product information or to arrange for sales assistance, call toll free 1-800-362-3550 or visit [www.3M.com/packaging](http://www.3M.com/packaging). Address correspondence to: 3M Industrial Adhesives and Tapes Division, Building 21-1W-10, 900 Bush Avenue, St. Paul, MN 55106. Our fax number is 651-733-9175. In Canada, phone: 1-800-364-3577. In Puerto Rico, phone: 1-787-750-3000. In Mexico, phone: 52-70-04-00.

---

## Important Notice

3M MAKES NO WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. User is responsible for determining whether the 3M product is fit for a particular purpose and suitable for user's application. Please remember that many factors can affect the use and performance of a 3M product in a particular application. The materials to be bonded with the product, the surface preparation of those materials, the product selected for use, the conditions in which the product is used, and the time and environmental conditions in which the product is expected to perform are among the many factors that can affect the use and performance of a 3M product. Given the variety of factors that can affect the use and performance of a 3M product, some of which are uniquely within the user's knowledge and control, it is essential that the user evaluate the 3M product to determine whether it is fit for a particular purpose and suitable for the user's application.

---

## Limitation of Remedies and Liability

If the 3M product is proved to be defective, THE EXCLUSIVE REMEDY, AT 3M'S OPTION, SHALL BE TO REFUND THE PURCHASE PRICE OF OR TO REPAIR OR REPLACE THE DEFECTIVE 3M PRODUCT. 3M shall not otherwise be liable for loss or damages, whether direct, indirect, special, incidental, or consequential, regardless of the legal theory asserted, including, but not limited to, contract, negligence, warranty, or strict liability.

---

**ISO 9002**

This Industrial Adhesives and Tapes Division product was manufactured under a 3M quality system registered to ISO 9002 standards.



**Industrial Business  
Industrial Adhesives and Tapes Division**  
3M Center, Building 21-1W-10, 900 Bush Avenue  
St. Paul, MN 55106



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

Printed in U.S.A.  
©3M 2003 70-0710-0254-0 (3/03)