

# Scotch®

## Performance Continuous Taping System Tape

### 3782 • 3785



Technical Data

December, 2010

**Product Description** Scotch® Performance Continuous Taping System Tapes 3782 and 3785 are packaging tapes used for box sealing and specially designed for use with the 3M-Matic™ Continuous Taping System (CTS) stand. These tapes have a strong, conformable backing and a consistent pressure sensitive hot melt adhesive system. This time-proven construction assures a reliable performance in a wide range of environments and applications.

| Construction | Backing                               | Adhesive                                 | Colors |
|--------------|---------------------------------------|--|--------|
|              | Biaxially oriented polypropylene film | Pressure sensitive hot melt rubber-resin | 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 3782                         | Scotch® Tape 3785                          | ASTM Test Method |
|------------------------------|---|--|------------------|
| Adhesion to Steel:           | 45 oz./in. width<br>(49 N/100 mm width)   | 55 oz./in. width<br>(60 N/100 mm width)    | D-3330           |
| Tensile Strength:            |   |  |                  |
| Machine Direction:           | 26 lbs./in. width<br>(455 N/100 mm width) | 35 lbs./in. width<br>(613 N/100 mm width)  | D-3759           |
| Cross Direction:             | 52 lbs./in. width<br>(910 N/100 mm width) | 70 lbs./in. width<br>(1226 N/100 mm width) | D-3759           |
| Elongation at Break:         | 160%                                      | 160%                                       | D-3759           |
| Thickness -Backing:          | 1.4 mil (0.035 mm)                        | 2.0 mil (0.051 mm)                         | D-3652           |
| Total:                       | 2.2 mil (0.056 mm)                        | 3.1 mil (0.079 mm)                         | D-3652           |
| Holding Power to Fiberboard: | 6,000 + minutes                           | 12,000 + minutes                           | D-3654           |

#### Features

- Meets CID A-A-1684B.
- Special design allows for continuous taping when used with 3M-Matic™ stands and case sealers.
- Adheres instantly to most surfaces including cartons containing various levels of recycled content.
- Strong, heavy duty, conformable backing with high edge tear and split resistance.
- Reliable closures.

# Scotch® Performance Continuous Taping System Tape

3782 • 3785

| Available Sizes  | Scotch® Tape 3782 | Scotch® Tape 3785 |
|------------------|-------------------|-------------------|
| Standard Widths: | 48 mm             | 48 mm             |
| Core Size (ID):  | 3 in.             | 3 in.             |
| Lengths:         | 1500 m            | 1500 m            |

**Application Techniques** These tapes are designed for use with 3M-Matic™ CTS stands and other 3M-Matic™ case sealing equipment. Application of Scotch® Performance Continuous Taping System Tapes 3782 and 3785 is most easily accomplished at room temperature. At colder temperatures, approaching 32°F (0°C), the adhesive becomes more firm. Once applied, the tapes perform well throughout the normal temperature ranges typically encountered by packaged products in shipping and storage requirements.

**Storage Conditions** Store in a clean, dry place. Temperature of 40-80°F (4-26°C) and 40 to 50% relative humidity are recommended.

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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)  
www.3M.com/industrial



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