

# Scotch® High Performance Box Sealing Tape



## 353

Technical Data

January, 2003

### Product Description

Scotch® Box Sealing Tape 353 is a high performance packaging tape used for box sealing, splicing, reoperation and other demanding packaging applications. This product has a strong abrasion resistant backing and the most consistent pressure sensitive hot melt adhesive system available. This time proven construction assures high performance in a wide range of environments and applications.

### Construction

| Backing  | Adhesive                                 | Colors        |
|--|--|---------------|
| Biaxially oriented 3M™ Scotchpar™ polyester film | Pressure sensitive hot melt rubber-resin | Clear and tan |

### 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:           | 45 oz./in. width (49 N/100 mm width)   | D-3330           |
| Tensile Strength:            |  |                  |
| Machine Direction:           | 25 lbs./in. width (437 N/100 mm width) | D-3759           |
| Cross Direction:             | 30 lbs./in. width (525 N/100 mm width) | D-3759           |
| Elongation at Break:         | 110%                                   | D-3759           |
| Thickness - Backing:         | 1.0 mil (0.025 mm)                     | D-3652           |
| Total:                       | 1.9 mil (0.048 mm)                     | D-3652           |
| Holding Power to Fiberboard: | 8,000 + minutes                        | D-3654           |

### Features

- Pressure sensitive hot melt rubber-resin adhesive.
- 3M™ Scotchpar™ polyester backing.
- Adheres instantly to most surfaces including cartons containing high levels of recycled content.
- Abrasion resistant backing with high edge tear and split resistance.
- Complies with the environmental considerations of ASTM D 1974-92.
- High performance ensures reliable closures.

# Scotch® High Performance Box Sealing Tape

353

---

|                        |                  |  |
|------------------------|------------------|--|
| <b>Available Sizes</b> | Standard Widths: | 36 mm, 48 mm, 72 mm<br>Custom widths available upon request. |
|                        | Core Size (ID):  | 3 in.  |
|                        | Lengths:         | 50 m and 914 m   |

---

---

**Application Techniques** An extensive line of application equipment including hand held manual dispensers and semi-automatic and fully automatic equipment is available. Application of Scotch® Box Sealing Tape 353 is most easily accomplished at room temperature. At colder temperatures, approaching 32°F (0°C), the adhesive becomes more firm. Once applied, Scotch® Tape 353 performs well throughout the normal temperature ranges typically encountered by packaged products in shipping and storage environments.

---

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

---

**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.



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 70-0710-0204-5 (1/03)