



Technical Data Sheet

3M™ Scotch® High Performance Box Sealing Tape 353



[Product Details](#)



[Regulatory Info/SDS](#)

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.

Product Features

- Pressure sensitive hot melt rubber-resin adhesive.
- Adheres instantly to most surfaces including cartons containing high levels of recycled content.
- Abrasion resistant backing with high edge tear and split resistance.
- High performance ensures reliable closures.

Technical Information Note

The following technical information and data should be considered representative or typical only and should not be used for specification purposes.

Typical Physical Properties

| Attribute Name | Test Method | Value |
|----------------------|-------------|--|
| Color | | Clear and Tan |
| Adhesive Type | | Pressure sensitive hot melt rubber-resin |
| Backing | | Biaxially oriented polyester film |
| Backing Thickness | ASTM D3652 | 0.025 mm (1 mil) |
| Total Tape Thickness | ASTM D3652 | 0.048 mm (1.9 mil) |

Typical Performance Characteristics

Substrate: Stainless Steel
Temperature: 22 °C (72 °F)
Dwell Time: 72 h

| Attribute Name | Test Method | Value |
|--------------------|-------------|--|
| 180° Peel Adhesion | ASTM D3330 | 49.3 N/100mm (45.0 oz/in) ¹ |

¹ 12 in/min (300 mm/min)

| Attribute Name | Test Method | Test Condition | Substrate | Value |
|---------------------|-------------|-------------------|------------|------------------------|
| Elongation at Break | ASTM D3759 | | | 110 % |
| Tensile Strength | ASTM D3759 | Machine Direction | | 438 N/100mm (25 lb/in) |
| Tensile Strength | ASTM D3759 | Cross Direction | | 525 N/100mm (30 lb/in) |
| Holding Power | ASTM D3654 | | Fiberboard | 8,000+ min |

Handling/Application Information

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 and Shelf Life

Store in a clean, dry place. Temperature of 40-80°F (4-26°C) and 40 to 50% relative humidity are recommended. To obtain best performance, use this product within 18 months from date of manufacture.

Available Sizes

| Attribute Name | Value |
|-----------------------|---------------------------------------|
| Core Size (ID) | 76.2 mm (3 in) |
| Note | Custom widths available upon request. |
| Standard Roll Length | 50 m (55 yd) |
| Standard Width | 48 mm (1.9 in) |

Information

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ISO Statement

This Industrial Adhesives and Tapes Division product was manufactured under a 3M quality system registered to ISO 9001 standards.

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