



Technical Data Sheet

3M™ Scotch® Performance Paper Box Sealing Tape 570



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Product Description

Scotch® Performance Paper Box Sealing Tape 570 is an ideal alternative to conventional box sealing tapes when sustainability is a priority. This product is optimal for palletized and lightweight, single-parcel shipments. This construction has a strong paper backing and solvent-free hot melt adhesive designed to provide a secure seal on cartons containing high levels of recycled content.

Product Features

- Recycle-compatible when left on the box according to Western Michigan University (WMU) Recyclability testing.
- Comprised of a solvent-free hot melt adhesive and a strong backing made from responsibly sourced paper.
- Reliably adheres to various surfaces, including cartons with high levels of recycled content.
- Equally applicable for manual use and machine/automated processes.

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 | | Brown |
| Adhesive Type | | Pressure sensitive hot melt rubber-resin |
| Backing | | Kraft Paper |
| Backing Thickness | ASTM D3652 | 0.09 mm (3.6 mil) |
| Total Tape Thickness | ASTM D3652 | 0.119 mm (4.7 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 | 104 N/100mm (95.0 oz/in) ¹ |

¹ 12 in/min (300 mm/min)

| Attribute Name | Test Method | Test Condition | Substrate | Value |
|---------------------|-------------|-------------------|------------|------------------------|
| Elongation at Break | ASTM D3759 | | | 3 % |
| Tensile Strength | ASTM D3759 | Machine Direction | | 754 N/100mm (43 lb/in) |
| Holding Power | ASTM D3654 | | Fiberboard | 620+ 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® Performance Paper Box Sealing Tape 570 is most easily accomplished at room temperature. At colder temperatures, approaching 32°F (0°C), the adhesive becomes more firm. Once applied, Scotch® Performance Paper Box Sealing Tape 570 performs well throughout the normal temperature ranges typically encountered by packaged products in shipping and storage environments.

Storage and Shelf Life

Store under normal conditions of 4° to 27°C (40° to 80°F) and 40 to 50% relative humidity in the original packaging, out of direct sunlight. For best performance, use this product within 12 months from date of manufacture.

Available Sizes

| Attribute Name | Value |
|----------------------|-------------------------|
| Core Size (ID) | 76.2 mm (3 in) |
| Standard Roll Length | 50, 500 m (55, 547 yd) |
| Standard Width | 48, 72 mm (1.9, 2.8 in) |

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ISO Statement

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