



# Technical Data Sheet

## 3M™ Tartan™ General Purpose Box Sealing Tape 305



Product Details



Regulatory Info/SDS

### Product Description

Tartan™ Box Sealing Tape 305 is a general purpose packaging tape used for noncritical box sealing applications. This product has a conformable backing and a pressure sensitive acrylic adhesive. This construction provides a good closure for lightweight boxes exposed to minimal distribution hazards.

### 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 acrylic                           |
| Backing              |             | Biaxially oriented polypropylene film                 |
| Backing Thickness    | ASTM D3652  | 0.025 mm (1 mil)                                      |
| Total Tape Thickness | ASTM D3652  | 0.046 mm (1.8 mil)                                    |
| *Note                |             | Requires no moisture, heat or solvent for activation. |

### Typical Performance Characteristics

Substrate: Stainless Steel  
Temperature: 23 °C (73 °F)  
Dwell Time: 72 h

| Attribute Name     | Test Method | Value                                  |
|--------------------|-------------|--|
| 180° Peel Adhesion | ASTM D3330  | 17.7 N/100mm (16.2 oz/in) <sup>1</sup> |

<sup>1</sup> 304 mm/min (12 in/min)

Test Condition: Machine Direction

| Attribute Name   | Test Method | Value                  |
|------------------|-------------|------------------------|
| Tensile Strength | ASTM D3759  | 701 N/100mm (40 lb/in) |

| Attribute Name | Value  |
|----------------|--|
| Note           | Based on limited production. As sufficient production data is gathered, a revised data sheet will be issued.<br><br>NOTE: Tartan™ General Purpose Box Sealing Tapes have physical properties that may vary over a broad range. |

### 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 18 months from date of manufacture.

Available Sizes

| Attribute Name       | Value   |
|----------------------|---|
| Core Size (ID)       | 76.2 mm (3 in)                                |
| Standard Roll Length | 50, 100, 914, 1500 m (55, 109, 1000, 1641 yd) |
| Standard Width       | 48, 72 mm (1.9, 2.8 in)                       |

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ISO Statement

This product was manufactured under a 3M quality system registered to ISO 9001 standards.

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