



Technical Data Sheet

3M™ Scotch® Industrial Continuous Taping System Tape 3781



[Product Details](#)

Product Description

Scotch® Taping System Tape 3781 is an industrial continuous packaging tape used for box sealing and specially designed for use with the 3M-Matic™ Continuous Taping Systems (CTS) stand. This product has a conformable backing and a consistent pressure sensitive hot melt adhesive system for a construction that assures a reliable performance in a range of environments and applications.

Product Features

- Special design allows for continuous taping when used with 3M-Matic CTS stands and case sealers.
- Adheres instantly to a variety of surfaces.
- Conformable backing with edge tear and split resistance.
- Good adhesion to fiberboard.

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
Adhesive Type		Pressure sensitive hot melt rubber-resin
Backing		Biaxially oriented polypropylene film
Backing Thickness	ASTM D3652	0.03 mm (1.2 mil)
Total Tape Thickness	ASTM D3652	0.048 mm (1.9 mil)

Typical Performance Characteristics

Attribute Name	Test Method	Dwell Time	Temperature	Test Condition	Substrate	Value
180° Peel Adhesion	ASTM D3330	72 h	23 °C (73 °F)		Stainless Steel	43.8 N/100mm (40.0 oz/in) ¹
Elongation at Break	ASTM D3759					160 %
Tensile Strength	ASTM D3759			Machine Direction		385 N/100mm (22 lb/in)
Tensile Strength	ASTM D3759			Cross Direction		771 N/100mm (44 lb/in)
Holding Power	ASTM D3654				Fiberboard	3,500+ min

¹ 304 mm/min (12 in/min)

Attribute Name	Value
Note	Based on limited production. As sufficient production data is gathered, a revised data sheet will be issued.

Handling/Application Information

Application Techniques

This tape is designed for use with 3M-Matic™ CTS stands and other 3M-Matic™ case sealing equipment. Application of Scotch® Taping System Tape 3781 is most easily accomplished at room temperature because at colder temperatures, approaching 32°F (0°C), the adhesive becomes more firm. Once applied, Scotch® Tape 3781 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 24 months from date of manufacture.

Available Sizes

Attribute Name	Value
Core Size (ID)	76.2 mm (3 in)
Standard Roll Length	1500 m (1641 yd)
Standard Width	48 mm (1.9 in)

Information

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ISO Statement

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

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