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Last Revision Date: September, 2023

Supersedes: November, 2018

Technical Data Sheet

3M™ Scotch® Transparent Film Tape 681

Product Details

Regulatory Info/SDS

Product Description

Scotch® Tape 681 is an excellent high tack, transparent film tape used for various packaging applications such as temporary holding, combining, light-duty carton sealing, bag sealing, and attaching.

Product Features

- Moisture and chemical resistant.
- Long aging stability.
- Formulated for easy unwind.
- Can be used in applications where the presence of moisture or chemicals would cause other films to fail.
- Resists turning brittle with age.
- Fade resistant for carbonless images.
- Immediate adhesion to variety of substrates.

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		Transparent
Adhesive Type		Pressure sensitive rubber resin
Backing		3M™ Paklon™ film
Backing Thickness	ASTM D3652	0.038 mm (1.5 mil)
Total Tape Thickness	ASTM D3652	0.061 mm (2.4 mil)

Typical Performance Characteristics

Attribute Name	Test Method	Temperature	Value
180° Peel Adhesion	ASTM D3330	22 °C (72 °F)	4.4 N/cm (40 oz/in) [1]
Elongation at Break	ASTM D3759		35 %
Longitudinal Tensile Strength	ASTM D3759		43.8 N/cm (25 lb/in)

[1] 12 in/min (300 mm/min)

Handling/Application Information

Application Techniques

An extensive line of manual, semi-automatic and automatic equipment is available to facilitate application of Scotch® Tape 681.

Industry Specifications

CID A-A-1684

Storage and Shelf Life

Storage of Scotch® Tape 681 at 70°F (21°C) and 40-50% relative humidity is 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)
Standard Roll Length	66 m (72 yd)
Standard Width	9.5, 12.7, 19, 25.4, 38.1, 50.8, 76.2, 101.6 mm (3/8, 1/2, 3/4, 1, 1.5, 2, 3, 4 in)

Available Sizes - Detailed

Custom widths and lengths available on request, subject to minimum order requirements.

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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.

3M
Closure and Masking Systems Division
3M Center, Building 225-3S-06
St. Paul, MN 55144-1000
800-362-3550 • 877-369-2923 (Fax)
www.3M.com

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