

November, 2018

3M™ Scotch® Transparent Film Tape 681

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

- Complies with US FDA 21 CFR 175.105 for indirect food contact
- 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.



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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

Property	Values		Method
Color	Transparent		
Total Tape Thickness	0.061 mm	2.4 mil	ASTM D3652
Backing Thickness	0.038 mm	1.5 mil	ASTM D3652
Backing	3M™ Paklon™ film		
Adhesive	Pressure sensitive rubber resin		

Typical Performance Characteristics

Property	Values		Method	Substrate
Peel Adhesion	4.4 N/cm	40 oz/in	ASTM D3330	Stainless Steel
Longitudinal Tensile Strength	43.8 N/cm	25 lb/in	ASTM D3759	
Elongation at Break	35 %		ASTM D3759	

Available Sizes

Property	Values	
Standard Roll Length	66 m	72 yd

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Available Sizes (continued)

Property	Values	
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
Core Size (ID)	76.2 mm	3 in
Available Sizes	Custom widths and lengths available on request, subject to minimum order requirements.	

Handling/Application Information

Application Techniques

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

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.

Industry Specifications

CID A-A-1684

References

Property	Values
3m.com Product Page	https://www.3m.com/3M/en_US/company-us/all-3m-products/~-/Scotch-Light-Duty-Packaging-Tape-681-Moisture-Chemical-Resistant?N=5002385+3293242204&rt=rud

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References (continued)

Property	Values
Safety Data Sheet (SDS)	https://www.3m.com/3M/en_US/company-us/SDS-search/results/?gsaAction=msdsSRA&msdsLocale=en_US&co=ptn&q=681

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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Information

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