

# 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

- Meets CID A-A-1684.
- 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	3.3 N/cm	30 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

- 3m.com Product Page  
Url: [http://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](http://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)
- Safety Data Sheet  
Url: [https://www.3m.com/3M/en\\_US/company-us/SDS-search/results/?gsaAction=msdsSRA&msdsLocale=en\\_US&co=ptn&q=681](https://www.3m.com/3M/en_US/company-us/SDS-search/results/?gsaAction=msdsSRA&msdsLocale=en_US&co=ptn&q=681)

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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.

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## For Additional Information

To request additional product information or to arrange for sales assistance, call toll free 1-800-362-3550 or visit [www.3M.com/packaging](http://www.3M.com/packaging). Address correspondence to: 3M Industrial Adhesives and Tapes Division, Building 21-1W-10, 900 Bush Avenue, St. Paul, MN 55144-1000. Our fax number is 651-778-4244. In Canada, phone: 1-800-364-3577. In Puerto Rico, phone: 1-787-750-3000. In Mexico, phone: 52-70-04-00.

## Product Selection and Use

Many factors beyond 3M's control and uniquely within user's knowledge and control can affect the use and performance of a 3M product in a particular application. As a result, customer is solely responsible for evaluating the product and determining whether it is appropriate and suitable for customer's application, including conducting a workplace hazard assessment and reviewing all applicable regulations and standards (e.g., OSHA, ANSI, etc.). Failure to properly evaluate, select, and use a 3M product and appropriate safety products, or to meet all applicable safety regulations, may result in injury, sickness, death, and/or harm to property.

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