

July, 2009

3M™ Tartan™ General Purpose Box Sealing Tape 305

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.



3M™ Tartan™ General Purpose Box Sealing Tape 305

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	Clear and Tan		
Total Tape Thickness	0.046 mm	1.8 mil	ASTM D3652
Backing Thickness	0.025 mm	1 mil	ASTM D3652
Backing	Biaxially oriented polypropylene film		
Adhesive	*Pressure sensitive acrylic		
*Note	Requires no moisture, heat or solvent for activation.		

Typical Performance Characteristics

Property	Values	Method	Backing	Notes	Substrate	Test Condition
180° Peel Adhesion	16.2 oz/in	ASTM D3330	2 mil Aluminum Foil	12 in/min (300 mm/min) 72 hr dwell on Stainless Steel		
180° Peel Adhesion	17.7 N/100mm	ASTM D3330			Stainless Steel	
Tensile Strength	701 N/100mm	ASTM D3759				Machine Direction

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Typical Performance Characteristics (continued)

Property	Values	Method	Backing	Notes	Substrate	Test Condition
Tensile Strength	40 lb/in	ASTM D3759		Machine Direction		

Note

Based on limited production. As sufficient production data is gathered, a revised data sheet will be issued.
NOTE: Tartan™ General Purpose Box Sealing Tapes have physical properties that may vary over a broad range.

Available Sizes

Property	Values		Attribute Modifier
Standard Roll Length	50, 100, 914, 1500 m	55, 109, 1000, 1641 yd	
Standard Width	48, 72 mm	1.9, 2.8 in	
Core Size	76.2 mm	3 in	ID

Storage and Shelf Life

Store in a clean, dry place. Temperature of 40-80°F (4-26°C) and 40 to 50% relative humidity are recommended. To obtain best performance, use this product within 18 months from date of manufacture.

Trademarks

Tartan is a trademark of 3M.

3M™ Tartan™ General Purpose Box Sealing Tape 305

References

Property	Values
3m.com Product Page	https://www.3m.com/3M/en_US/company-us/all-3m-products/~//Tartan-Box-Sealing-Tape-305?N=5002385+3293242209&rt=rud
Safety Data Sheet (SDS)	https://www.3m.com/3M/en_US/company-us/SDS-search/results/?gsaAction=msdsSRA&msdsLocale=en_US&co=ptn&q=305

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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