

February, 2016

3™ Scotch® Box Sealing Tape 311

Product Description

Scotch® Box Sealing Tape 311 is a general purpose box sealing tape designed specifically for utility type applications on light to medium weight boxes. The product offers good performance over broad temperature ranges; specifically in colder and damper applications; and adheres to recycled fiberboard.

Product Features

- Adheres instantly to a variety of surfaces.
- Conformable backing.
- Edge tear and split resistant.
- Good aging in sunlight or fluorescent lighting.
- Reliable closures.
- Long life in use.



3™ Scotch® Box Sealing Tape 311

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	0.052 mm	2.05 mil	ASTM D3652
Backing Thickness	0.028 mm	1.1 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	Substrate
Peel Adhesion	24.1 N/100mm	22 oz/in	ASTM D3330	Stainless Steel
Elongation at Break	125 %		ASTM D3759	

Tensile Strength		Test Condition
438 N/100mm	25 lb/in	Machine Direction
701 N/100mm	40 lb/in	Cross Direction

Property: Tensile Strength
Method: ASTM D3759

Available Sizes

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

3™ Scotch® Box Sealing Tape 311

Handling/Application Information

Application Techniques

An extensive line of application equipment including hand held manual dispensers and semi-automatic and fully automatic equipment is available. Scotch® Box Sealing Tape 311 has been applied to fiberboard boxes with good results at refrigeration temperatures of 32°F to 50°F (0°C to 10°C). Once applied, Scotch® Tape 311 performs well on fiberboard boxes subjected to temperatures below 32°F (0°C).

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

Scotch is a registered trademark of 3M.

References

Property	Values
3m.com Product Page	https://www.3m.com/3M/en_US/company-us/all-3m-products/~/-/Scotch-Box-Sealing-Tape-311?N=5002385+3293242208&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=311

ISO Statement

This Industrial Adhesives and Tapes Division product was manufactured under a 3M quality system registered to ISO 9001 standards.

Information

Technical Information: The technical information, guidance, and other statements contained in this document or otherwise provided by 3M are based upon records, tests, or experience that 3M believes to be reliable, but the accuracy, completeness, and representative nature of such information is not guaranteed. Such information is intended for people with knowledge and technical skills sufficient to assess and apply their own informed judgment to the information. No license under any 3M or third party intellectual property rights is granted or implied with this information.

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.

Warranty, Limited Remedy, and Disclaimer: Unless a different warranty is specifically stated on the applicable 3M product packaging or product literature (in which case such warranty governs), 3M warrants that each 3M product meets the applicable 3M product specification at the time 3M ships the product. 3M MAKES NO OTHER WARRANTIES OR CONDITIONS, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OR CONDITION OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, OR ARISING OUT OF A COURSE OF DEALING, CUSTOM, OR USAGE OF TRADE. If a 3M product does not conform to this warranty, then the sole and exclusive remedy is, at 3M's option, replacement of the 3M product or refund of the purchase price.

Limitation of Liability: Except for the limited remedy stated above, and except to the extent prohibited by law, 3M will not be liable for any loss or damage arising from or related to the 3M product, whether direct, indirect, special, incidental, or consequential (including, but not limited to, lost profits or business opportunity), regardless of the legal or equitable theory asserted, including, but not limited to, warranty, contract, negligence, or strict liability.

