

Box Sealing Tape

311+

Technical Data

January 2017

Product Description Scotch® Box Sealing Tape 311+ is a is an industrial packaging tape for box sealing, splicing, recoupage and other demanding packaging applications on light to medium weight boxes. The product offers excellent performance over broad temperature ranges; specifically in colder and damper applications; and adheres to recycled fiberboard.

Product Construction Backing: Biaxially Orientated Polypropylene Film
 Adhesive: Pressure sensitive acrylic
 Color: Clear

Typical Physical Properties Note: The following technical information and data should be considered representative or typical only, and should not be used for specification purposes.

		ASTM TEST METHOD
Adhesion to Steel:	38 oz./in. width (42 N/100mm)	D-3330
Tensile Strength:		
Machine Direction:	25 lbs./in. width(438N/100mm)	D-3759
Cross Direction:	40 lbs./in. width(700N/100mm)	D-3759
Elongation at Break:	125%	D-3759
Tape Thickness: Backing:	1.1 mil (0.0304mm)	D-3652
Total:	2.05 mil (0.0533mm)	

3M™ Scotch® Box Sealing Tape 311+

- Features**
- Adheres instantly to a variety of surfaces
 - Edge tear and split resistance
 - Adheres well to recycled corrugate
 - Complies with the environmental considerations of ASTM D 1974-92.
 - Conformable backing.
 - Good aging in sunlight or fluorescent lighting.
 - Long life in use.
-

Available Sizes

Standard widths : 48 mm, 72 mm

Core Size (ID): 3 in.

Length: 100 m, 914 m

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 freezer and refrigeration temperatures of 20°F to 50°F (-6.6°C to 10°C). Once applied, Scotch® Tape 311+ performs well on fiberboard boxes subjected to temperatures below 32°F (0°C).

Storage Conditions

Store in a clean, dry place. Temperature of 40-80°F (4-26°C) and 40 to 50% relative humidity are recommended.

Shelf Life

To obtain best performance, use this product within 18 months from date of manufacture

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.

3M™ Scotch® Box Sealing Tape 311+

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.

ISO 9001

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



Industrial Adhesives and Tapes Division

3M Center, Building 225-3S-06
St. Paul, MN 55144-1000 USA
800.361.3550 / 877.362.2923 Fax
www.3M.com/IATD

3M is a trademark of 3M Company.
© 3M 2017 E70-0710-0487-6 (1/17)