

July, 2009

3M™ Tartan™ Box Sealing Tape 302

Product Description

Tartan™ Box Sealing Tape 302 is a general purpose packaging tape used for noncritical box sealing applications. This product has a conformable film backing and a consistent, pressure sensitive acrylic adhesive. This construction provides a good closure for lightweight boxes exposed to minimal distribution hazards.

Product Features

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



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 | 0.04 mm | 1.6 mil | ASTM D3652 |
| Backing Thickness | 0.025 mm | 1 mil | ASTM D3652 |
| Backing | Biaxially oriented polypropylene | | |
| Adhesive | Pressure sensitive acrylic | | |

Typical Performance Characteristics

| Property | Values | | Method | Substrate |
|---------------------|--------------|----------|------------|-----------------|
| Peel Adhesion | 19.7 N/100mm | 18 oz/in | ASTM D3330 | Stainless Steel |
| Elongation at Break | 116 % | | ASTM D3759 | |

| Tensile Strength | | Test Condition |
|------------------|----------|-------------------|
| 403 N/100mm | 23 lb/in | Machine Direction |
| 701 N/100mm | 40 lb/in | Cross Direction |

Property: Tensile Strength
Method: ASTM D3759

Available Sizes

| Property | Values | |
|-----------------|-----------|-------------|
| Standard Length | 100 m | 109 yd |
| Standard Width | 48, 72 mm | 1.9, 2.8 in |
| Core Size (ID) | 76.2 mm | 3 in |

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.

References

| Property | Values |
|-------------------------|---|
| 3m.com Product Page | https://www.3m.com/3M/en_US/company-us/all-3m-products/-/Tartan-Box-Sealing-Tape-302?N=5002385+3293241795&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=302 |

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.

