

3M

Venture Tape™ UL181B-FX Polypropylene Duct Tape 1599B

Technical Data

January, 2017

Product Description 3M™ Venture Tape™ UL181B-FX Polypropylene Duct Tape 1599B is a UV resistant bi-axially oriented polypropylene (BOPP) tape coated with a cold weather acrylic pressure sensitive adhesive.

Product	Backing	Adhesive	Color	Standard Roll Length
	Polypropylene	Acrylic	Silver and Black	120 yds (109 m)

- Features**
- UL181B-FX Listed (UL File # MH16587)
 - Cold weather adhesive
 - High performance over a wide temperature range
 - UV resistant

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.

Test	Typical Value	Typical Value (Metric)	Test Method
Total Tape Thickness	3.1 mils	0.08 mm	ASTM-D3652
Backing Thickness	1.6 mils	0.04 mm	ASTM-D3652
Peel Adhesion	38 oz/in	10.5 N/25mm	ASTM-D3330
Tensile Strength	32 lb/in	142 N/25 mm	ASTM-D3759
Elongation	213%	213%	ASTM-D3759
Service Temperature	-40° to 185°F	-40° to 85°C	

- Application Ideas**
- Flexible duct closure tape

3M™ Venture Tape™ UL181B-FX Polypropylene Duct Tape 1599B

Storage 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 12 months from date of manufacture.

Technical Information The technical information, recommendations and other statements contained in this document are based upon tests or experience that 3M believes are reliable, but the accuracy or completeness of such information is not guaranteed.

Product 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. Given the variety of factors that can affect the use and performance of a 3M product, user is solely responsible for evaluating the 3M product and determining whether it is fit for a particular purpose and suitable for user's method of application.

Warranty, Limited Remedy, and Disclaimer Unless an additional warranty is specifically stated on the applicable 3M product packaging or product literature, 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 OR FITNESS FOR A PARTICULAR PURPOSE OR ANY IMPLIED WARRANTY OR CONDITION ARISING OUT OF A COURSE OF DEALING, CUSTOM OR USAGE OF TRADE. If the 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 where prohibited by law, 3M will not be liable for any loss or damage arising from the 3M product, whether direct, indirect, special, incidental or consequential, regardless of the legal theory asserted, including 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.

3M

Industrial Adhesives and Tapes

Division

3M Center, Building 225-3S-06
St. Paul, MN 55144-1000
800-362-3550 • 877-369-2923 (Fax)
www.3M.com/construction



Recycled Paper 40%
pre-consumer
10% post-consumer

3M and Venture Tape are
trademarks of 3M Company.
Printed in U.S.A.
©3M 2017 All rights reserved.
E70-0709-4192-0