



Technical Data Sheet

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

[Product Details](#)

Product Description

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

Product Features

- UL181B-FX Listed (UL File # MH16587)
- Specifically designed to perform in cold weather conditions
- High performance over a wide temperature range
- UV resistant

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

Attribute Name	Test Method	Value
Color		Silver and Black
Adhesive Type		Acrylic
Backing		Polypropylene
Backing Thickness	ASTM D3652	0.04 mm (1.6 mil)
Total Tape Thickness	ASTM D3652	0.08 mm (3.1 mil)

Typical Performance Characteristics

Attribute Name	Test Method	Temperature	Value
180° Peel Adhesion	ASTM D3330	22 °C (72 °F)	4.2 N/cm (38 oz/in) ¹
Elongation at Break	ASTM D3759		213 %
Tensile Strength	ASTM D3759		56 N/cm (32 lb/in)

¹ 12 in/min (300 mm/min)

Attribute Name	Value
Long Term Temperature Resistance	85 °C (185 °F) ¹
Minimum Long Term Temperature Resistance	-40 °C (-40 °F) ¹

¹ Long Term (day, weeks)

Handling/Application Information

Application Examples

- Sealing flexible air ducts
- Sealing air connectors
- Securing flex ducts

Industry Specifications

UL 181B-FX (File MH16587)

Storage and Shelf Life

Store under normal conditions of 4° to 27°C (40° to 80°F) and 40 to 50% relative humidity in the original packaging, out of direct sunlight. For best performance, use this product within 18 months from date of manufacture.

Available Sizes

Attribute Name	Value
Standard Roll Length	109 m (120 yd)

Information

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ISO Statement

This product was manufactured under a 3M quality system registered to ISO 9001 standards.

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