



Technical Data Sheet

3M™ Venture Tape™ Double Coated Film Tape 3693



[Product Details](#)



[Regulatory Info/SDS](#)

Product Description

3M™ Venture Tape™ Double Coated Film Tape 3693 is a thin, nylon film coated on both sides with an aggressive, cold weather acrylic pressure sensitive adhesive (PSA). A high performance tape designed as a self adhesive closure system on the longitudinal lap of jacketed pipe insulation (SSL - self seal lap) as well as a temporary closure system for PVC jacketing. 3M™ Venture Tape™ Double Coated Film Tape 3693 also has excellent adhesion to many plastics, treated paper, metals, and composite materials subjected to a variety of demanding conditions.

Product Features

- Thin nylon film
- Excellent peel and tack
- Humidity and temperature resistance
- Excellent performance over a broad range of temperatures

Technical Information Note

Peel adhesions are based on 180 degree peel at room temperature to stainless steel, 20 minute dwell at room temperature

Typical Physical Properties

Attribute Name	Test Condition	Value
Color		Clear
Adhesive Type		Cold weather acrylic
Adhesive Carrier		Nylon film
Adhesive Thickness	Faceside	0.04 mm (1.5 mil) ¹
Total Tape Thickness		0.09 mm (3.6 mil)
Liner		White, 74# Moisture stable paper (Some SKUs available with a finger lift edge(FLE))
Available Formats		Available in full width rolls, 48" and 54"

¹ Faceside adhesive is on the interior of the roll, exposed when unwound.

Typical Performance Characteristics

Dwell Time: 20 min
Test Method: PSTC-101

Attribute Name	Value
Peel Adhesion (Backside)	11.1 N/25.4mm (40 oz/in)
Peel Adhesion (Faceside)	11.1 N/25.4mm (40 oz/in)

Shear Adhesion

Test Method: PSTC-107

Value
>24 h @ 15.2 kPa
>24 h ¹

¹ @2.2 psi

Attribute Name	Value
Long Term Temperature Resistance	121 °C (250 °F) ¹
Minimum Long Term Temperature Resistance	-40 °C (-40 °F) ¹

¹ Long Term (day, weeks)

Test Method: PSTC-131

Attribute Name	Value
Elongation	110 %
Tensile Strength	90.4 N/25.4mm (20 lb/in)

Storage and Shelf Life

It is suggested that products are stored at room temperature conditions of 70°F (21°C) and 50% relative humidity. If stored properly, product retains its performance and properties for 18 months from date of manufacture. Note: The shelf life may be shortened if the original packaging is not properly sealed or stored in an environment with high temperatures or humidity.

Automotive Disclaimer

Select Automotive Applications: This product is an industrial product and has not been designed or tested for use in certain automotive applications, such as automotive electric powertrain battery or high voltage applications, which may require the product to be manufactured in a IATF certified facility, meet a Ppk of 1.33 for all properties, undergo an automotive production part approval process (PPAP), or fully adhere to automotive design or quality system requirements (e.g., IATF 16949 or VDA 6.3). Customer assumes all responsibility and risk if customer chooses to use this product in these applications.

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