



Technical Data Sheet

3M™ Venture Tape™ Cryogenic Vapor Barrier Tape 1555CW

Product Description

3M™ Venture Tape™ Cryogenic Vapor Barrier Tape 1555CW is a 3-ply laminate made with a durable aluminum foil backing between two layers of polyester film and coated with a cold weather acrylic pressure sensitive adhesive.

Product Features

- Bonds and seals at temperatures as low as -10°F (-23°C).
- Superior performance at below freezing temperatures
- High puncture and tear resistance ensures durability in demanding applications and environments
- Conforms to curved and irregular surfaces

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		Natural Aluminum / White
Adhesive Type		Acrylic
Backing		Polyester/Aluminum/ Polyester
Backing Thickness	ASTM D3652	0.06 mm (2.5 mil)
Total Tape Thickness	ASTM D3652	0.1 mm (4 mil)
Liner		Release Liner

Typical Performance Characteristics

Attribute Name	Test Method	Temperature	Value
180° Peel Adhesion	ASTM D3330	22 °C (72 °F)	12.6 N/cm (115 oz/in) ¹
Elongation at Break	ASTM D3759		90 %
Tensile Strength	ASTM D3759		52.5 N/cm (30 lb/in)

¹ 12 in/min (300 mm/min)

Attribute Name	Value
Long Term Temperature Resistance	149 °C (300 °F) ¹
Minimum Long Term Temperature Resistance	-40 °C (-40 °F) ¹

¹ Long Term (day, weeks)

Handling/Application Information

Application Examples

Low temperature vapor barrier joint closure applications

Certifications/Standards

Certifications

UL723 Classified (0/5 Flame/Smoke Rating) [UL file #R10984]

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.

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ISO Statement

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

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