



## Technical Data Sheet

### 3M™ Venture Tape™ Double Coated PE Foam Glazing Tape VG1216



[Product Details](#)

#### Product Description

3M™ Venture Tape™ Double Coated PE Foam Glazing Tape VG1216 is 1/16" thick closed cell, crosslinked polyethylene foam tape coated on both sides with a high performance acrylic based pressure sensitive adhesive with an easy release 4 mil blue poly liner.

#### Product Features

- Easily die cut.
- Low application temperature
- Great chemical resistance.
- Low compression set.
- Better conformability, cushioning and vibration damping.

#### 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            |             | Black, White                                              |
| Adhesive Carrier |             | PE Foam                                                   |
| Density          | ASTM D3574  | 48 kg/m <sup>3</sup> (3 lb/ft <sup>3</sup> ) <sup>1</sup> |

<sup>1</sup> Foam with adhesive

| Attribute Name       | Test Method | Test Condition | Value               |
|----------------------|-------------|----------------|---------------------|
| Total Tape Thickness | ASTM D3652  |                | 1.7 mm (66.5 mil)   |
| Adhesive Thickness   | PSTC-133    | Faceside       | 0.051 mm (2 mil)    |
| Adhesive Thickness   | PSTC-133    | Backside       | 0.051 mm (2 mil)    |
| Carrier Thickness    | PSTC-133    |                | 1.588 mm (62.5 mil) |
| Liner                |             |                | 4 mil Blue Poly     |

#### Typical Performance Characteristics

| Attribute Name   | Test Method | Value                    |
|------------------|-------------|--------------------------|
| Peel Adhesion    | PSTC-101    | 25 N/25.4mm (90 oz/in)   |
| Elongation       | PSTC-131    | 228 %                    |
| Tensile Strength | PSTC-131    | 195 N/25.4mm (113 lb/in) |
| Tack             | ASTM D2979  | 1106 g (39 oz)           |

#### Shear Adhesion

Test Method: PSTC-107

| Value              |
|--------------------|
| >24 h @ 15.2 kPa   |
| >24 h <sup>1</sup> |

<sup>1</sup> @2.2 psi

| Attribute Name                           | Value                       |
|------------------------------------------|-----------------------------|
| Minimum Application Temperature          | 10 °C (50 °F)               |
| Long Term Temperature Resistance         | 82 °C (180 °F) <sup>1</sup> |
| Minimum Long Term Temperature Resistance | -12 °C (10 °F) <sup>1</sup> |

<sup>1</sup> Long Term (day, weeks)

## **Storage and Shelf Life**

Store under normal conditions of 16° to 27°C (60° to 80°F) and 40 to 60% relative humidity in the original packaging, out of direct sunlight. For best performance, use this product within 24 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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