



## Technical Data Sheet

### 3M™ Venture Tape™ 587 High Temperature Double Coated Film Tape



[Product Details](#)



[Regulatory Info/SDS](#)

#### Product Description

3M™ Venture Tape™ 587 is a double coated polyester (PET) film tape coated on both sides with a versatile High temperature resistant acrylic pressure sensitive adhesive (PSA). 3M™ Venture Tape™ 587 is designed for applications where higher heat, shear and plasticizer resistance is required. Provides permanent bonds to irregular surfaces, plastics, and metal extrusions.



#### Product Features

- Designed for where higher heat, shear and plasticizer resistance is required.
- Perfect for high speed flying splices where heat resistance is required.
- Excellent UV and temperature resistance.
- Performs well at high and low temperatures.
- Excellent peel, tack and shear.

#### 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	Test Condition	Value
Color			Clear
Adhesive Carrier			PET
Adhesive Thickness	PSTC-133	Faceside	0.04 mm (1.5 mil)
Adhesive Thickness	PSTC-133	Backside	0.04 mm (1.5 mil)
Total Tape Thickness	ASTM D3652		0.09 mm (3.7 mil)
Liner			White, 55# SCK

#### Typical Performance Characteristics

Dwell Time: 20 min  
Test Method: PSTC-101

Attribute Name	Value
Peel Adhesion (Backside)	12.5 N/25.4mm (45 oz/in)
Peel Adhesion (Faceside)	12.5 N/25.4mm (45 oz/in)

Attribute Name	Test Method	Value
Shear Adhesion	PSTC-107	>24 h @ 15.2 kPa
Shear Adhesion	PSTC-107	>24 h <sup>1</sup>
Elongation	PSTC-131	100 %
Tensile Strength	PSTC-131	33.9 N/25.4mm (7.5 lb/in)

<sup>1</sup> @2.2 psi

Attribute Name	Value
Long Term Temperature Resistance	218 °C (425 °F) <sup>1</sup>
Minimum Long Term Temperature Resistance	-40 °C (-40 °F) <sup>1</sup>

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

## Typical Environmental Performance

Attribute Name	Value
UV Resistance	Excellent

## 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

## Available Sizes

Attribute Name	Value
Product Size	• Master rolls: 54" x 250 LY

## Precautionary Information

For information please contact your local 3M Office. [www.3M.com](http://www.3M.com)

## Information

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## **ISO Statement**

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