



# Technical Data Sheet

3M™ Polyimide Tape 8998



[Product Details](#)



[Regulatory Info/SDS](#)

## Product Description

3M™ Polyimide Tape 8998 is an amber colored polyimide tape with silicone pressure sensitive adhesive. Tape construction is ideal for applications that may require high temperature, chemical, and abrasion resistance with the benefit of transparency.

## Product Features

- Polyimide films offer excellent thermal, abrasion, and chemical resistance while maintaining their flexibility.
- Amber color makes tape placement obvious for both application and removal.
- Thin backing leaves a sharp paint line and some conformability.
- Silicone adhesives offer high heat resistance compared to many rubber and acrylic adhesives, reducing failure due to softening, oozing, and adhesive transfer.
- Silicone adhesive removes cleanly from many surfaces.
- Lined version available for die-cuts.

## 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                |             | Amber              |
| Adhesive Type        |             | Silicone           |
| Backing              |             | Polyimide          |
| Backing Thickness    | ASTM D3652  | 0.051 mm (2 mil)   |
| Total Tape Thickness | ASTM D3652  | 0.085 mm (3.3 mil) |

## Typical Performance Characteristics

| Attribute Name                   | Test Method | Temperature   | Value                          |
|----------------------------------|-------------|---------------|--------------------------------|
| 180° Peel Adhesion               | ASTM D3330  | 23 °C (73 °F) | 2 N/cm (19 oz/in) <sup>1</sup> |
| Elongation at Break              | ASTM D3759  |               | 49 %                           |
| Tensile Strength                 | ASTM D3759  |               | 96.3 N/cm (55 lb/in)           |
| Long Term Temperature Resistance |             |               | 260 °C (500 °F) <sup>2</sup>   |

<sup>1</sup> 304 mm/min (12 in/min)

<sup>2</sup> Long Term (day, weeks)

**Handling/Application Information**

**Application Examples**

- Masking parts for powder coat painting.
- Masking edges of overlap seams in metal bonding process where excess adhesive flows onto tape. Minimizes clean-up on tape removal.
- Provides a good barrier for separation of dissimilar metals.

**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.

**Available Sizes**

| Attribute Name       | Value        |
|----------------------|--------------|
| Standard Roll Length | 33 m (36 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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