



Technical Data Sheet

3M™ High Tack Double Coated Film Tape
97001



[Product Details](#)



[Regulatory Info/SDS](#)

Product Description

3M™ High Tack Double Coated Film Tape 97001 is a double coated polyester (PET) film tape coated on both sides with a high performance acrylic pressure sensitive adhesive (PSA). A versatile tape specifically designed for low surface energy and difficult to bond applications, 3M tape 97001 provides a permanent bond on foams, plastics, metals, and composite materials subjected to a broad range of environmental conditions.

Product Features

- Adheres well without heat assistance to most low surface energy polyolefins, papers, vinyls, foam polycarbonates and metals
- Resistance to oils, chemicals, oxidation, high temperature, humidity and UV
- 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 |
|----------------------|-------------|----------------|--------------------------------|
| Adhesive Thickness | | Faceside | 0.04 mm (1.5 mil) ¹ |
| Adhesive Thickness | | Backside | 0.04 mm (1.5 mil) ² |
| Total Tape Thickness | ASTM D3652 | | 0.09 mm (3.5 mil) |
| Liner | | | Paper |
| Liner Thickness | | | 0.1 mm (4.1 mil) |

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

² Backside adhesive is on the exterior of the roll, exposed when liner is removed.

Typical Performance Characteristics

| Attribute Name | Value |
|-----------------------------------|------------------------------|
| Short Term Temperature Resistance | 149 °C (300 °F) ¹ |
| Long Term Temperature Resistance | 121 °C (250 °F) ² |

¹ Short Term (minutes, hour)

² Long Term (day, weeks)

Storage and Shelf Life

Store under normal conditions of 60° to 80°F (16° to 27°C) and 40 to 60% R.H. in the original carton. To obtain best performance, use this product within 12 months from date of manufacture.

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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ISO Statement

This Industrial Adhesives and Tapes Division product was manufactured under a 3M quality system registered to ISO 9001 standards.

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