



Technical Data Sheet

3M™ Conductive Adhesive Transfer Tape
97057



Additional Info



Regulatory
Info/SDS

Product Description

3M™ Conductive Adhesive Transfer Tape 97057 is a 2.0 mil (50 micron) unsupported acrylic pressure sensitive transfer adhesive which conducts electricity anisotropically through the adhesive thickness. This adhesive system offers good quick stick and shear properties with extremely low electrical resistance. Primarily used for mounting EMI/RFI shields and gaskets, ESD pads and flexible circuit splicing and attachment. The adhesive is flexible and offers excellent conformability.

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	Value
Color	Clear
Total Tape Thickness	0.05 mm (2 mil)
Liner	74# Kraft, White (5.7 mil thick)

Typical Performance Characteristics

Attribute Name	Test Method	Value
Peel Adhesion	PSTC-101	6.9 N/25.4mm (25 oz/in)

Shear Adhesion

Test Method: PSTC-107

Value
>24 h @ 15.2 kPa
>24 h ¹

¹ @2.2 psi

Attribute Name	Value
Long Term Temperature Resistance	121 °C (250 °F) ¹
Minimum Long Term Temperature Resistance	-40 °C (-40 °F) ¹

¹ Long Term (day, weeks)

Electrical and Thermal Properties

Temperature: 23 °C (73 °F)

Test Method: ASTM D257

Attribute Name	Value
Surface Resistivity	<0.005 Ω
Volume Resistivity	< 6 Ω-cm

Industry Specifications

UL Classified, File BVYS.R7311, Tape - General Use, ANSI/UL 723

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 18 months from date of manufacture.

Available Sizes

Attribute Name	Value
Product Size	• Standard roll sizes and custom rolls available on request

Precautionary Information

Refer to Product Label and Material Safety Data Sheet for health and safety information before using this product. For additional health and safety information, call 1-800-364-3577

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.

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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