



Technical Data Sheet

3M™ Double Coated Tape 9832HL+



[Product Details](#)



[Regulatory Info/SDS](#)

Product Description

Finite Element Analysis (FEA) data is available for this product at: 3m.com/FEA

3M™ Double Coated Tape 9832HL+ with Adhesive 300MP+ is a general purpose tape that provides excellent adhesion to a wide variety of substrates, including many foams, plastics, foil, and felt. A thin polyester film carrier provides dimensional stability and improved handling.

3M tape 9832HL+ can be used in the woodworking market on particle board, foam, HSE plastics and more.

Product Features

- 3M™ Acrylic Adhesive 300MP+ is “Low Fog” per SAEJ1756
- Excellent adhesion to foam, fabrics, felt, nylon, leather, wood and other substrates
- Intended for a variety of markets, including general industrial, automotive, marine, medical equipment and specialty vehicle
- The polycoated kraft paper liner makes this adhesive tape ideal for die cutting and converting processes

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
Adhesive Type		300MP+ Acrylic
Adhesive Carrier		PET
Carrier Thickness		0.013 mm (0.5 mil)
Total Tape Thickness	ASTM D3652	0.12 mm (4.8 mil)
Density		0.91 g/cm ³

Attribute Name	Value
Liner	83# PCK
Liner Thickness	6.2 mil
Primary Liner Color	Tan
Liner Print	None

Typical Performance Characteristics

180° Peel Adhesion

Dwell Time: 72 h
Backing: 2 mil Aluminum Foil
Test Method: ASTM D3330

Temperature	Substrate	Value
22 °C (72 °F)	Stainless Steel	11 N/cm (98 oz/in) ¹
22 °C (72 °F)	ABS	6.2 N/cm (57 oz/in) ¹
22 °C (72 °F)	Polypropylene (PP)	3.4 N/cm (31 oz/in) ¹
70 °C (158 °F)	Stainless Steel	13 N/cm (120 oz/in) ¹
70 °C (158 °F)	ABS	11 N/cm (98 oz/in) ¹
70 °C (158 °F)	Polypropylene (PP)	5.7 N/cm (52 oz/in) ¹

¹ 12 in/min (300 mm/min)

90° Peel Adhesion

Dwell Time: 72 h
Backing: 2 mil Aluminum Foil
Test Method: ASTM D3330

Temperature	Substrate	Value
22 °C (72 °F)	Stainless Steel	11 N/cm (98 oz/in) ¹
22 °C (72 °F)	ABS	5.0 N/cm (46 oz/in) ¹
22 °C (72 °F)	Polypropylene (PP)	2.7 N/cm (25 oz/in) ¹
70 °C (158 °F)	Stainless Steel	12 N/cm (110 oz/in) ¹
70 °C (158 °F)	ABS	8.3 N/cm (76 oz/in) ¹
70 °C (158 °F)	Polypropylene (PP)	4.2 N/cm (38 oz/in) ¹

¹ 12 in/min (300 mm/min)

Static Shear

Substrate: Stainless Steel
Dwell Time: 72 h
Backing: 2 mil Aluminum Foil
Test Method: ASTM D3654

Temperature	Test Condition	Value
22 °C (72 °F)	1000g	10,000 min ¹
70 °C (158 °F)	500g	10,000 min ¹

¹ 1 in x 1 in sample area, test terminated after 10,000 minutes

Dwell Time: 16 h

Attribute Name	Test Method	Value
Fogging (Photometric method)	SAEJ1756	95 % ¹

¹ Fogging condensate on the glass plate determined by measuring the 60o specular gloss. The 60o specular gloss for the same glass plate is used as a reference value. The higher value indicates less fogging.

Typical Environmental Performance

Temperature: 32 °C (90 °F)
 Dwell Time: 72 h
 Backing: 2 mil Aluminum Foil
 Test Method: ASTM D3330
 Environmental Condition: 90%RH

Attribute Name	Substrate	Value
180° Peel Adhesion	Stainless Steel	12 N/cm (110 oz/in) ¹
180° Peel Adhesion	ABS	7.1 N/cm (65 oz/in) ¹
180° Peel Adhesion	Polypropylene (PP)	3.9 N/cm (36 oz/in) ¹
90° Peel Adhesion	Stainless Steel	11 N/cm (100 oz/in) ¹
90° Peel Adhesion	ABS	6.0 N/cm (55 oz/in) ¹
90° Peel Adhesion	Polypropylene (PP)	2.7 N/cm (25 oz/in) ¹

¹ 12 in/min (300 mm/min)

Electrical and Thermal Properties

Attribute Name	Test Method	Value
Glass Transition Temperature (Tg)	ASTM E1356	-60 °C ¹

¹ Glass Transition Temperature (Tg) determined using DSC Analyzer with a heating rate of 4°C per minute. First heat values given.

Storage and Shelf Life

Recommended storage in the original packaging at room temperature conditions of 60-80°F (16-22°C) and 50% relative humidity. Keep out of direct sunlight. Unconverted product has a shelf life of 24 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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