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English-US

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Technical Data Sheet

3M™ Adhesive Transfer Tape 9775WL+

Product Details

Product Description

3M™ Adhesive Transfer Tape 9775WL+ with 3M™ Adhesive 300MP+ is suitable for bonding to most surfaces including various fabricated foams, fabrics, and other substrates. This tape also meets the highly variable needs of most gasket fabricators.

Product Features

• Double sided acrylic adhesive designed for use on foams, plastics, wood and fabrics • Humidity resistance • Performs at higher temperatures

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
Adhesive Type	300MP+ Acrylic
Density	0.91 g/cm³
Adhesive Thickness	5 mil

Typical Performance Characteristics

180° Peel Adhesion

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

Temperature	Substrate	Value
23 °C (73 °F)	Stainless Steel	21 N/cm (190 oz/in) [1]
23 °C (73 °F)	ABS	12 N/cm (110 oz/in) [1]
23 °C (73 °F)	Polypropylene (PP)	5.6 N/cm (51 oz/in) [1]
70 °C (158 °F)	Stainless Steel	18 N/cm (160 oz/in) [1]
70 °C (158 °F)	ABS	11 N/cm (96 oz/in) [1]
70 °C (158 °F)	Polypropylene (PP)	6.2 N/cm (57 oz/in) [1]

[1] 300 mm/min (12 in/min)

90° Peel Adhesion

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

Temperature	Substrate	Value
23 °C (73 °F)	Stainless Steel	11 N/cm (100 oz/in) [1]
23 °C (73 °F)	ABS	7.7 N/cm (70 oz/in) [1]
23 °C (73 °F)	Polypropylene (PP)	3.8 N/cm (35 oz/in) [1]
70 °C (158 °F)	Stainless Steel	14 N/cm (130 oz/in) [1]

Temperature	Substrate	Value
70 °C (158 °F)	ABS	5.9 N/cm (54 oz/in) [1]
70 °C (158 °F)	Polypropylene (PP)	4.2 N/cm (38 oz/in) [1]

[1] 300 mm/min (12 in/min)

Static Shear

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

Temperature	Test Condition	Value
23 °C (73 °F)	1000 g	10,000 min [1]
70 °C (158 °F)	500 g	10,000 min [1]

[1] 25 x 25 mm (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.

Attribute Name	Value
Short Term Temperature Resistance	121 °C (250 °F) [1]
Long Term Temperature Resistance	107 °C (225 °F) [2]

[1] Maximum temperature where tape supports 200g load per 6.5cm² (1 in²) in static shear for 60 minutes.
[2] Maximum temperature where tape supports 200g load per 6.5cm² (1 in²) in static shear for 10,000 minutes.

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	20 N/cm (180 oz/in) [1]
180° Peel Adhesion	ABS	11 N/cm (96 oz/in) [1]
180° Peel Adhesion	Polypropylene (PP)	7.8 N/cm (71 oz/in) [1]
90° Peel Adhesion	Stainless Steel	14 N/cm (130 oz/in) [1]
90° Peel Adhesion	ABS	6.9 N/cm (63 oz/in) [1]
90° Peel Adhesion	Polypropylene (PP)	4.5 N/cm (41 oz/in) [1]

[1] 300 mm/min (12 in/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.

Industry Specifications

EN 45545 test report for details (ISO 5659-2, ISO 9239-1, ISO 5658-2, ISO 5660-1)

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.

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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 product was manufactured under a 3M quality system registered to ISO 9001 standards.

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