



Technical Data Sheet

3M™ Double Coated Tape 99786NP



Regulatory Info/SDS

Product Description

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

3M™ Double Coated Tapes 99786NP with 3M™ Adhesive 300MP provides high adhesion to a wide variety of materials, including plastics and foams and has a thin nonwoven carrier for dimensional stability and improved handling.

Product Features

- Excellent adhesion to open cell foams.
- Consistent adhesive performance to many plastics.
- Polycoated liner for ease of handling.

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
Adhesive Carrier		Nonwoven
Total Tape Thickness	ASTM D3652	0.14 mm (5.5 mil)
Liner		58# Polycoated Kraft
Liner Thickness		0.11 mm (4.2 mil)
Primary Liner Color		Tan

Typical Performance Characteristics

Temperature: 23 °C (73 °F)
Dwell Time: 72 h
Backing: 2 mil Aluminum Foil
Test Method: ASTM D3330

Attribute Name	Substrate	Value
180° Peel Adhesion	ABS	5.2 N/cm (47 oz/in) ¹
180° Peel Adhesion	Polycarbonate (PC)	5.9 N/cm (54 oz/in) ¹
180° Peel Adhesion	Stainless Steel	5.9 N/cm (54 oz/in) ¹
90° Peel Adhesion	ABS	5.4 N/cm (49 oz/in) ¹
90° Peel Adhesion	Polycarbonate (PC)	5.5 N/cm (50 oz/in) ¹
90° Peel Adhesion	Stainless Steel	6.7 N/cm (61 oz/in) ¹

¹ 304 mm/min (12 in/min)

Temperature: 23 °C (73 °F)

Attribute Name	Test Method	Value
Liner Release	ASTM D3330	4.4 N/cm (40 oz/in) ¹

¹ 90 in/min

Attribute Name	Value
Short Term Temperature Resistance	121 °C (250 °F) ¹
Long Term Temperature Resistance	93 °C (200 °F) ²

¹ Short Term (minutes, hour)

² Long Term (day, weeks)

Handling/Application Information

Directions for Use

Handling Recommendations:

- Rolls should be handled at a minimum and handled by their core and top layer, without applying a lot of finger pressure.
 - Do not handle the rolls by their sides, as this can cause the sides of the adhesive to bond with fingertips.
- For additional information, please refer to the Laminating Adhesives 300MP Technical Bulletin (70-0709-3905-6).

Application Examples

- Foam lamination
- Gasket attachment
- Insulator attachment
- General attachment
- Nameplate attachment

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. When storing rolls, lay flat in a horizontal position with release treated wafers between the rolls. For best performance, use this product within 24 months from date of manufacture.

Recognition/Certification

TSCA: This product is defined as an article under the Toxic Substances Control Act and therefore, it is exempt from inventory listing requirements.

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

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