



Double Coated Tapes with 3M™ Adhesive 300MP

9786 • 9786NP

Technical Data

November, 2003

Product Description

3M™ Double Coated Tapes 9786 and 9786NP with 3M™ Adhesive 300MP provide 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 Construction

	3M tape 9786	3M tape 9786NP
Adhesive Type:	300MP	300MP
Adhesive Thickness:	5.5 mil (0.14 mm)	5.5 mil (0.14 mm)
Liner Color, Type:	Tan 58# Polycoated Kraft Paper with 3M print	Tan 58# Polycoated Kraft Paper, unprinted
Liner Caliper:	4.2 mil (0.11 mm)	4.2 mil (0.11 mm)
Carrier Type:	Nonwoven	Nonwoven

Features

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

Application Ideas

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

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Typical Physical Properties and Performance Characteristics

Note: The following technical information and data should be considered representative or typical only and should not be used for specification purposes.

90 degree peel

Adhesion to Steel: (ASTM D-3330 – 90 degree 72 hour RT 2 mil Al foil)	61 oz/in (67N/100mm) [1729 g/in]
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Adhesion to Polycarbonate: (ASTM D-3330 – 90 degree 72 hour RT 2 mil Al foil)	50 oz/in (55N/100mm) [1417 g/in]
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Adhesion to ABS: (ASTM D-3330 – 90 degree 72 hour RT 2 mil Al foil)	49 oz/in (54N/100mm) [1389 g/in]
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180 degree peel

Adhesion to Steel: (ASTM D-3330 – 90 degree 72 hour RT 2 mil Al foil)	54 oz/in (57N/100mm) [1474 g/in]
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Adhesion to Polycarbonate: (ASTM D-3330 – 90 degree 72 hour RT 2 mil Al foil)	54 oz/in (59N/100mm) [1531 g/in]
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Adhesion to ABS: (ASTM D-3330 – 90 degree 72 hour RT 2 mil Al foil)	47 oz/in (52N/100mm) [1332 g/in]
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Static Shear: (ASTM D-3654 – 1000 grams using 1/2" x 1" sample size, RT)	358 minutes
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Liner Release: (ASTM D-3330 – 90 inch/minute, RT)	40 g/in (44N/100mm) [.04 kg/in]
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Relative High Temperature Operating Ranges:

Long Term (days, weeks)	200°F (93°C)
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Short Term (minutes, hours)	300°F (149°C)
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Tips for Handling in Roll Form

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).

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Storage

It is best to use the rolls as soon as possible after receipt. Ideally, rolls should be laminated to the intended substrates as soon after receipt as possible.

Store in original cartons at 70°F (21°C) and 50% relative humidity.

When storing rolls, lay them flat in a horizontal position with release treated wafers between the rolls.

Shelf Life

If stored under proper conditions, product retains its performance and properties for two years from date of manufacture.

For Additional Information

To request additional product information or to arrange for sales assistance, call toll free 1-800-223-7427 or visit www.3M.com/converter. Address correspondence to: 3M Industrial Adhesives and Tapes Division, Building 21-1W-10, 900 Bush Avenue, St. Paul, MN 55144-1000. Our fax number is 651-778-4244. In Canada, phone: 1-800-364-3577. In Puerto Rico, phone: 1-787-750-3000. In Mexico, phone: 52-70-04-00.

Certification/Recognition

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

Product Use

All statements, technical information and recommendations contained in this document are based upon tests or experience that 3M believes are reliable. However, many factors beyond 3M's control can affect the use and performance of a 3M product in a particular application, including the conditions under which the product is used and the time and environmental conditions in which the product is expected to perform. Since these factors are uniquely within the user's knowledge and control, it is essential that the user evaluate the 3M product to determine whether it is fit for a particular purpose and suitable for the user's method of application.

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ISO 9001

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



**Industrial Business
Converter Markets
Industrial Adhesives and Tapes Division**

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