



# Double Coated Tape 9786 with 3M™ Adhesive 300MP

Technical Data

December, 2002

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**Product Description** 3M™ Double Coated Tape 9786 with 3M™ Adhesive 300MP provides a high adhesion to a wide variety of materials, including plastics and foams. This tape has a thin nonwoven carrier for dimensional stability and improved handling.

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<b>Product Construction</b>	Adhesive Type:	300MP
	Adhesive Thickness:	5.5 mil (0.14 mm)
	Liner Color, Type:	Tan 58# Polycoated Kraft Paper with 3M print
	Liner Caliper:	4.2 mil (0.11 mm)
	Carrier Type:	Nonwoven

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**Features**

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

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**Application Ideas**

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

# 3M™ Double Coated Tape 9786 with 3M™ Adhesive 300MP

## 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. Rolls are to be 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 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.
- If storage is necessary, it is best to maintain the rolls at a cool temperature (at or below 22°F [-6°C]).
- When storing rolls, lay them flat in a horizontal position with release treated wafers between the rolls.

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## Precautionary Information

Refer to product label and Material Safety Data Sheet for health and safety information before using the product.

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## 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](http://www.3M.com/converter). Address correspondence to: 3M Industrial Adhesives and Tapes Division, Building 21-1W-10, 900 Bush Avenue, St. Paul, MN 55106. Our fax number is 651-733-9175. In Canada, phone: 1-800-364-3577. In Puerto Rico, phone: 1-787-750-3000. In Mexico, phone: 52-70-04-00.

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## 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.

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## Important Notice

3M MAKES NO WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. User is responsible for determining whether the 3M product is fit for a particular purpose and suitable for user's method of application. Please remember that many factors can affect the use and performance of a 3M product in a particular application. The materials to be bonded with the product, the surface preparation of those materials, the product selected for use, the conditions in which the product is used, and the time and environmental conditions in which the product is expected to perform are among the many factors that can affect the use and performance of a 3M product. Given the variety of factors that can affect the use and performance of a 3M product, some of which 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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## Limitation of Remedies and Liability

If the 3M product is proved to be defective, THE EXCLUSIVE REMEDY, AT 3M'S OPTION, SHALL BE TO REFUND THE PURCHASE PRICE OF OR TO REPAIR OR REPLACE THE DEFECTIVE 3M PRODUCT. 3M shall not otherwise be liable for loss or damages, whether direct, indirect, special, incidental, or consequential, regardless of the legal theory asserted, including, but not limited to, contract, negligence, warranty, or strict liability.

ISO 9002

This Industrial Adhesives and Tapes Division product was manufactured under a 3M quality system registered to ISO 9002 standards.

# 3M

Industrial Business  
Converter Markets  
Industrial Adhesives and Tapes Division

3M Center, Building 21-1W-10, 900 Bush Avenue  
St. Paul, MN 55106



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