



Double Coated Tapes with 3M™ Adhesive 300MP

99786 • 99786NP

Technical Data

November, 2011

Product Description 3M™ Double Coated Tapes 99786 and 99786NP 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™ Double Coated Tape 99786	3M™ Double Coated Tape 99786NP
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

3M™ Double Coated Tapes with 3M™ Adhesive 300MP 99786 • 99786NP

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]
--	----------------------------------

Adhesion to Polycarbonate: (ASTM D-3330 – 90 degree 72 hour RT 2 mil Al foil)	50 oz/in (55N/100mm) [1417 g/in]
--	----------------------------------

Adhesion to ABS: (ASTM D-3330 – 90 degree 72 hour RT 2 mil Al foil)	49 oz/in (54N/100mm) [1389 g/in]
--	----------------------------------

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]
--	----------------------------------

Adhesion to Polycarbonate: (ASTM D-3330 – 90 degree 72 hour RT 2 mil Al foil)	54 oz/in (59N/100mm) [1531 g/in]
--	----------------------------------

Adhesion to ABS: (ASTM D-3330 – 90 degree 72 hour RT 2 mil Al foil)	47 oz/in (52N/100mm) [1332 g/in]
--	----------------------------------

Static Shear: (ASTM D-3654 – 1000 grams using 1/2" x 1" sample size, RT)	358 minutes
---	-------------

Liner Release: (ASTM D-3330 – 90 inch/minute, RT)	40 g/in (44N/100mm) [.04 kg/in]
--	---------------------------------

Relative High Temperature Operating Ranges:

Long Term (days, weeks)	200°F (93°C)
-------------------------	--------------

Short Term (minutes, hours)	300°F (149°C)
-----------------------------	---------------

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).

3M™ Double Coated Tapes with 3M™ Adhesive 300MP

99786 • 99786NP

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.

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.

Technical Information

The technical information, recommendations and other statements contained in this document are based upon tests or experience that 3M believes are reliable, but the accuracy or completeness of such information is not guaranteed.

Product Use

Many factors beyond 3M's control and uniquely within user's knowledge and control can affect the use and performance of a 3M product in a particular application. Given the variety of factors that can affect the use and performance of a 3M product, user is solely responsible for evaluating the 3M product and determining whether it is fit for a particular purpose and suitable for user's method of application.

Warranty, Limited Remedy, and Disclaimer

Unless an additional warranty is specifically stated on the applicable 3M product packaging or product literature, 3M warrants that each 3M product meets the applicable 3M product specification at the time 3M ships the product. 3M MAKES NO OTHER WARRANTIES OR CONDITIONS, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OR CONDITION OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR ANY IMPLIED WARRANTY OR CONDITION ARISING OUT OF A COURSE OF DEALING, CUSTOM OR USAGE OF TRADE. If the 3M product does not conform to this warranty, then the sole and exclusive remedy is, at 3M's option, replacement of the 3M product or refund of the purchase price.

Limitation of Liability

Except where prohibited by law, 3M will not be liable for any loss or damage arising from the 3M product, whether direct, indirect, special, incidental or consequential, regardless of the legal theory asserted, including warranty, contract, negligence or strict liability.

ISO 9001:2008

This Industrial Adhesives and Tapes Division product was manufactured under a 3M quality system registered to ISO 9001:2008 standards.



Industrial Adhesives and Tapes Division Converter Markets

3M Center, Building 225-3S-06
St. Paul, MN 55144-1000
800-223-7427 • 651-778-4244 (fax)
www.3M.com/converter



*Recycled Paper
40% pre-consumer
10% post-consumer*

3M is a trademark of 3M Company.
Printed in U.S.A.
©3M 2011 70071110731 (11/11)