



Weatherstrip Attachment Tape 4981

Technical Data Sheet

April 2009

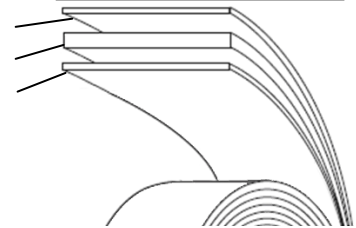
Supersedes Technical Data Sheet dated November 2005

General Description 3M™ Weatherstrip Attachment Tape 4981 is a 0.19 mm thick, clear acrylic foam tape constructed with two different adhesives. The heat-activated adhesive forms an immediate, consistent and durable bond to most EPDM formulations and Santoprene® materials. The pressure-sensitive adhesive is characterized by high adhesion and holding strength to many surfaces, including automotive paints and metals. This tape is used to attach weatherstrip and/or gasket seals for automotive and industrial applications. It is recommended for applications where the substrate surface is smooth and there is minimal stress on the bond line between the matching substrates. It is commonly used to hold parts in place until a mechanical attachment is applied.

Shelf Life One year from date of receipt by customer when stored at 4°C - 38°C (40°F - 100°F) and 0-95% relative humidity (RH). The optimum storage conditions are 21°C (70°F) and 50% relative humidity.

Product Construction

Heat-activated E2 adhesive
 Pressure-sensitive A-10 acrylic adhesive
 Polyethylene liner



Physical Properties

Values shown are typical values not to be used for specification purposes.

Tape thickness (excluding liner)	0.19 mm ±0.04 mm (0.0075 inch ±0.0013 inch)
Tape density (excluding liner)	1050 kg/m ³ ± 80 kg/m ³ (65 lb/ft ³ ± 5 lb/ft ³)
Tabbing option	3M™ Tabbing Tape 5400

Roll Width and Length

3M™ Acrylic Foam Tapes are available in the following standard widths. Millimeter Widths are rounded to the nearest whole numbers (7, 8, 9 mm . . .) and 1/8 inch increments starting with 1/4 inch (0.25, 0.375, 0.50, 0.625 inch . . .).

Minimum widths:
4 mm Levelwound
6.35 mm Planetary

Roll Width	Roll Width Tolerance	Roll Length (maximum)
Planetary Rolls		
< 10 mm (< 0.394 in.)	+/- 0.40 mm (+/-0.015 in.)	132 meters (144 yards)
10 - 18 mm (0.394 - 0.709 in.)	+/- 0.40 mm (+/-0.015 in.)	183 meters (200 yards)
> 18 mm (> 0.709 in.)	+/- 0.80 mm (+/- 0.031 in.)	183 meters (200 yards)
Levelwound Rolls		
4 - 16 mm (0.157 - 0.630 in.)	+/- 0.40 mm (+/-0.015 in.)	900 meters (984 yards)

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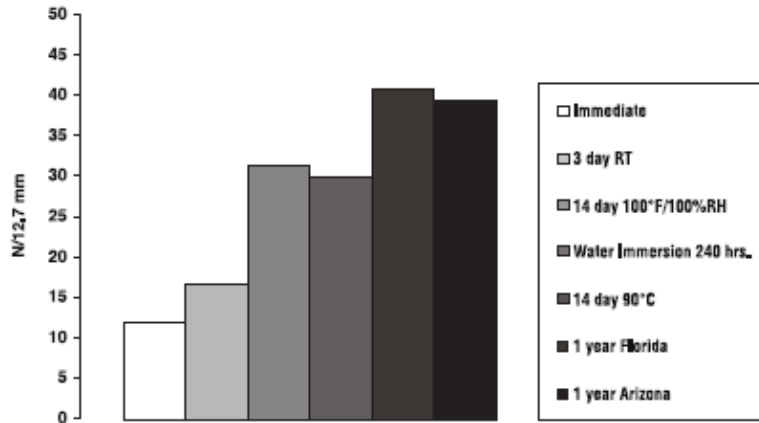
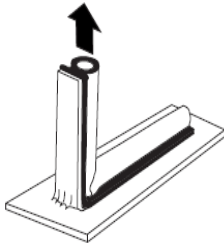
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Performance Properties

90° Peel Adhesion

Typical performance of 3M™ Weatherstrip Attachment Tape 4981 is shown below. Peel values depend on the composition and cross-section of a particular weatherstrip. These values are for reference only.



Contact Information The information provided in this technical document is intended as a guide for this product. For more information or help in selecting a 3M product for an application, please contact 3M HELPS at 1-888-3M HELPS (1-888-364-3577).

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