



Weatherstrip Attachment Tape 5403

Technical Data Sheet

April 2009

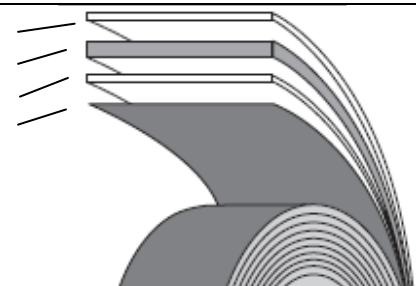
Supersedes Technical Data Sheet dated August 2004

General Description 3M™ Weatherstrip Attachment Tape 5403 is a 0.8 mm thick, medium-density, gray 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 has good conformability and is used to attach weatherstrip and/or gasket seals for automotive and industrial applications. It is recommended for applications where the vehicle taping surface is smooth and a thin tape is necessary.

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 22°C (72°F) and 50% relative humidity.

Product Construction

Heat-activated E2 adhesive
 Gray acrylic foam core
 Pressure-sensitive AR-7 acrylic adhesive
 Liner



Physical Properties

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

Tape thickness (excluding liner)	0.80 mm ±0.08 mm (0.032 inch ±0.003 inch)
Tape density (excluding liner)	690 kg/m ³ ± 65 kg/m ³ (43 lb/ft ³ ± 4 lb/ft ³)
Tabbing option	3M™ Tabbing Tape 5400

Roll Width and Length

3M™ Weatherstrip Attachment 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
5 mm Planetary

Roll Width	Roll Width Tolerance	Roll Length (maximum)
Planetary Rolls		
5 - 6 mm (0.197 - 0.236 in)	+/- 0.40 mm (+/-0.015 in.)	66 meters (72 yards)
6.35 - 9.5 mm (0.25 - 0.375 in)	+/- 0.40 mm (+/-0.015 in.)	99 meters (108 yards)
10 - 18 mm (0.394 - 0.709 in)	+/- 0.40 mm (+/-0.015 in.)	132 meters (144 yards)
> 18 mm (> 0.709 in.)	+/- 0.80 mm (+/- 0.031 in.)	132 meters (144 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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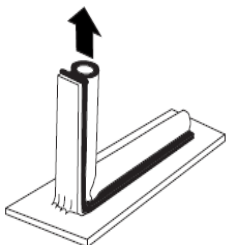
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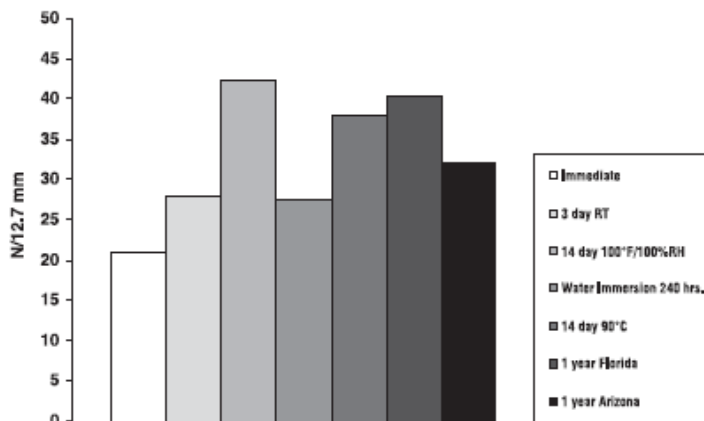
Performance Properties

90° Peel Adhesion

Typical performance of 3M™ Weatherstrip Attachment Tape 5403 is shown below. Peel values depend on the composition and cross-section of a particular weatherstrip. These values are for reference only.



90° Peel Adhesion



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).

Regulatory

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75-3468-5028-4
Printed in the U.S.A.



ISO/TS 16949:2002
File No. A2109