



Acrylic Foam Tape 5760

Technical Data Sheet

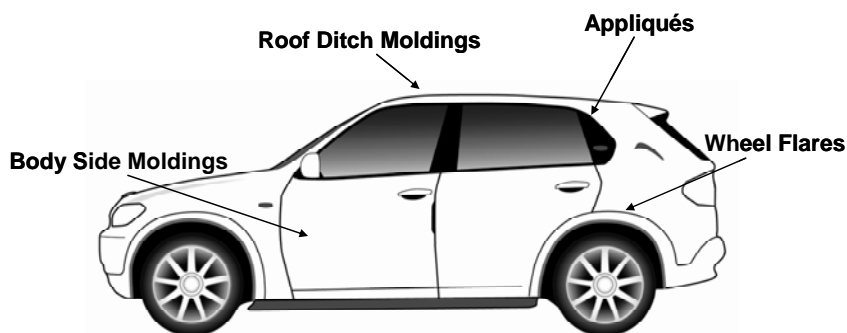
November 2008

Supersedes Technical Data Sheet dated August 2000

General Description

3M™ Acrylic Foam Tape (AFT) 5760 is designed for the primerless attachment of thermoplastic polyolefin (TPO) and polypropylene (PP) injection molded trim parts to the exteriors of vehicles. 3M AFT 5760 is thicker than most other acrylic foam tapes and is used where there is greater mismatch between the trim part and the sheet metal of the vehicle. The key feature of 3M AFT 5760 is TX-1 adhesive on the nonlinear side of the tape. TX-1 adhesive is designed to bond to low surface energy plastics such as TPO and PP without the use of an adhesion promoter. 3M AFT 5760 has AR-7 adhesive on the liner side of the tape for bonding to automotive paint surfaces.

Applications



Shelf Life

One year from date of receipt by customer when stored at 22°C (72°F) and 50% relative humidity.

Product Construction

Silicone-Coated Liner
AR-7 Acrylic Adhesive
Acrylic Foam
TX-1 Acrylic Adhesive



Physical Properties

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

Thickness	1.52 mm (± 0.15 mm) (0.060 in ± 0.006 in)
Density	688 kg/m ³ (± 80 kg/m ³) (43 lb/ft ³ ± 5 lb/ft ³)

Roll Width and Length (Planetary)

3M™ Acrylic Foam Tapes are available in the following standard widths. Millimeter widths 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 mm Planetary

Roll Width	Roll Width Tolerance	Roll Length (maximum)
Planetary Rolls		
6 - 9 mm (0.236 - 0.375 in)	+/- 0.38 mm (+/-0.015 in.)	66 meters (72 yards)
10 - 18 mm (0.394 - 0.709 in)	+/- 0.38 mm (+/-0.015 in.)	99 meters (108 yards)
> 18 mm (> 0.709 in.)	+/- 0.76 mm (+/- 0.030 in.)	99 meters (108 yards)
Levelwound Rolls		
4 - 16 mm (0.157 - 0.630 in.)	+/- 0.38 mm (+/-0.015 in.)	500 meters (947 yards)

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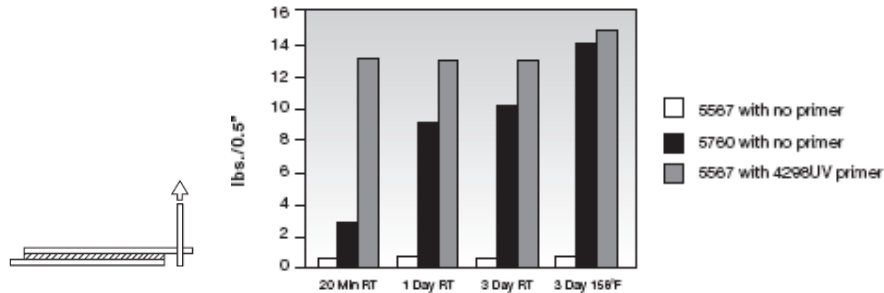
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Performance Properties

Performance tests are run using standard test procedures. These values presented are typical values not to be used for specification purposes.

1. 90° Peel Adhesion to Automotive Grade TPO



90° peel adhesion is tested to TPO substrates using 12.7 mm (0.5 in.) wide strips of 3M™ Acrylic Foam Tape 5760 backed with anodized aluminum foil. The strips are rolled down with 6.8 kgs (15 lbs.) and tested at a separation rate of 305 mm/minute (12 in./min.) The above 90° peel adhesion data to automotive grade TPO shows the performance of 3M AFT 5760 with no primer is similar to the performance of 3M™ Acrylic Foam Tape 5567 with primer.



2. Static Shear

Exceeds 100 hours at 70°C (158°F). Static shear tests are run with 12.7 mm (0.5 in) wide by 50.8 mm (2 in) long tape on PVC test bars, 6.8 kg (15 lbs) roll-down against stainless steel. Static weight is 250 gm (0.55 lbs).

Contact Information

The information provided in this technical document is intended as a guide for this product. For more information, and help selecting a 3M product for an application, please contact a 3M technical service representative.

Regulatory

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Automotive Division
3M Center, Building 223-1S-02
St. Paul, MN 55144-1000
www.3M.com/autosolutions

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