



Acrylic Foam Tape 4225

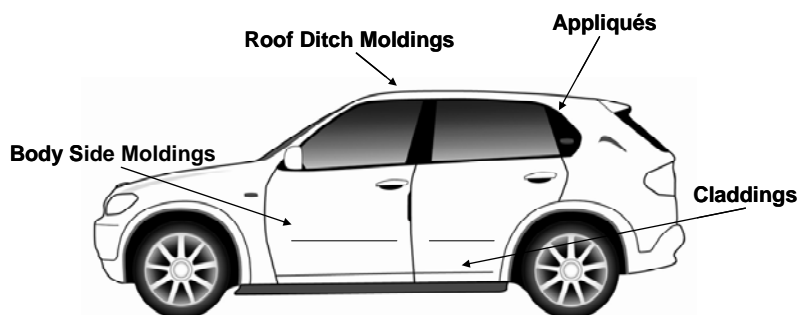
Technical Data Sheet

January 2009

Supersedes Technical Data Sheet dated November 2008

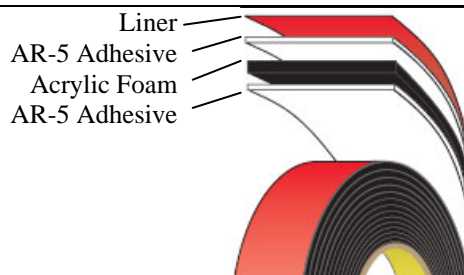
General Description 3M™ Acrylic Foam Tape (AFT) 4225 is a thick, white, double-coated foam tape used in a variety of automotive applications. 3M AFT 4225 is used for applications where bonding surface contours are poorly matched and a thick foam is required. The acrylic foam core of 3M AFT 4225 has unique viscoelastic properties that allow it to elongate and relax when put under load, minimizing stress on the adhesive bond line. 3M AFT 4225 has AR-5 adhesive on both sides of the foam for bonding to a variety of automotive substrates.

Applications



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

Product Construction



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

Thickness	3.18 mm (±0.30 mm) (0.125 in ±0.012 in)
Density	576 kg/m ³ (±80 kg/m ³) (36 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:
0.25 in. (6.35 mm)

Roll Width	Roll Width Tolerance	Roll Length (maximum)
6 mm – 18 mm (0.25 – 0.709 in.)	+/- 0.38 mm (+/-0.015 in.)	33 meters (36 yards)
> 18 mm (> 0.709 in.)	+/- 0.76 mm (+/- 0.030 in.)	33 meters (36 yards)

Performance Properties

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

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1. Breakaway and Continuing Peel

72 hrs at 22°C (72°F)	Breakaway Peel	120 N/12.7 mm	(27 lbs/.5 in)
	Continuing Peel	62 N/12.7 mm	(14 lbs/.5 in)
72 hrs at 70°C (158°F)	Breakaway Peel	156 N/12.7 mm	(35 lbs/.5 in)
	Continuing Peel	89 N/12.7 mm	(20 lbs/.5 in)
72 hrs at 38°C /100% RH	Breakaway Peel	89 N/12.7 mm	(20 lbs/.5 in)
(100°F/100%RH)	Continuing Peel	49 N/12.7 mm	(11 lbs/.5 in)

Breakaway and continuing peel tests are run with 12.7 mm (0.5 in) wide tape on PVC test bars. Tests were run on base coat/clear coat paint at a separation rate of 305 mm/min (12 in/min).



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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