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# Acrylic Foam Tape 5665

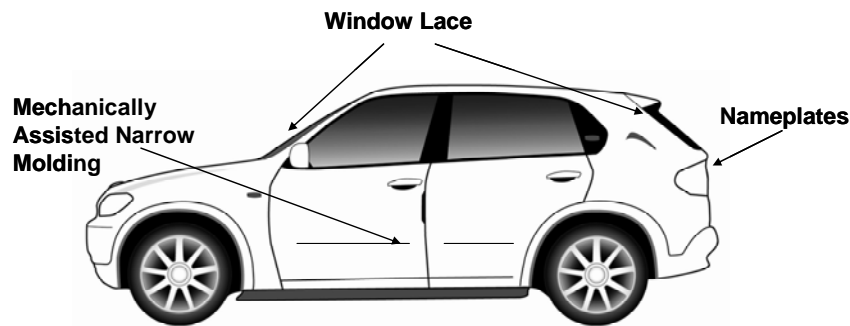
Technical Data Sheet

August 2009

Supersedes Technical Data Sheet dated November 2008

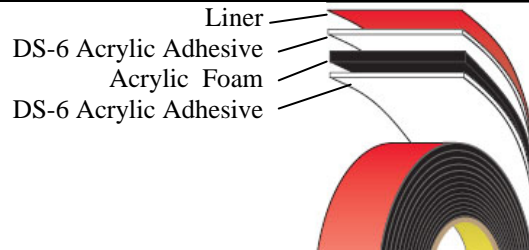
**General Description** 3M™ Acrylic Foam Tape (AFT) 5665 is a gray, medium performance, double coated acrylic foam tape designed for the attachment of lightweight automotive exterior trim such as nameplates, emblems, and roof slats. 3M AFT 5665 has DS-6 adhesive on both sides of the foam. 3M AFT 5665 is intended for cost effective attachment in less demanding applications.

## 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	0.76 mm ( $\pm 0.08$ mm) (0.030 in $\pm 0.003$ in)
Density	656 kg/m <sup>3</sup> ( $\pm 80$ kg/m <sup>3</sup> ) (41 lb/ft <sup>3</sup> $\pm 5$ lb/ft <sup>3</sup> )

## 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  
5 mm Planetary

Roll Width	Roll Width Tolerance	Roll Length (maximum)
Planetary Rolls		
< 7 mm (< 0.276 in)	+/- 0.38 mm (+/-0.015 in.)	66 meters (72 yards)
7 - 9 mm (0.276 - 0.375 in)	+/- 0.38 mm (+/-0.015 in.)	99 meters (108 yards)
10 - 18 mm (0.394 - 0.709 in)	+/- 0.38 mm (+/-0.015 in.)	160 meters (175 yards)
> 18 mm (> 0.709 in.)	+/- 0.76 mm (+/- 0.030 in.)	160 meters (175 yards)
Levelwound Rolls		
4 - 16 mm (0.157 - 0.630 in.)	+/- 0.38 mm (+/-0.015 in.)	900 meters (984 yards)

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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. Breakaway and Continuing Peel



72 hrs at 22°C (72°F)	Breakaway Peel	71 N/12.7 mm	(16 lbs/.5 in)
	Continuing Peel	24 N/12.7 mm	(5.5 lbs/.5 in)
72 hrs at 70°C (158°F)	Breakaway Peel	102 N/12.7 mm	(23 lbs/.5 in)
	Continuing Peel	38 N/12.7 mm	(8.5 lbs/.5 in)
72 hrs at 38°C /100% RH	Breakaway Peel	71 N/12.7 mm	(16 lbs/.5 in)
(100°F/100%RH)	Continuing Peel	24 N/12.7 mm	(5.5 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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