

3M™ Acrylic Foam Tape GT7108

Technical Data Sheet



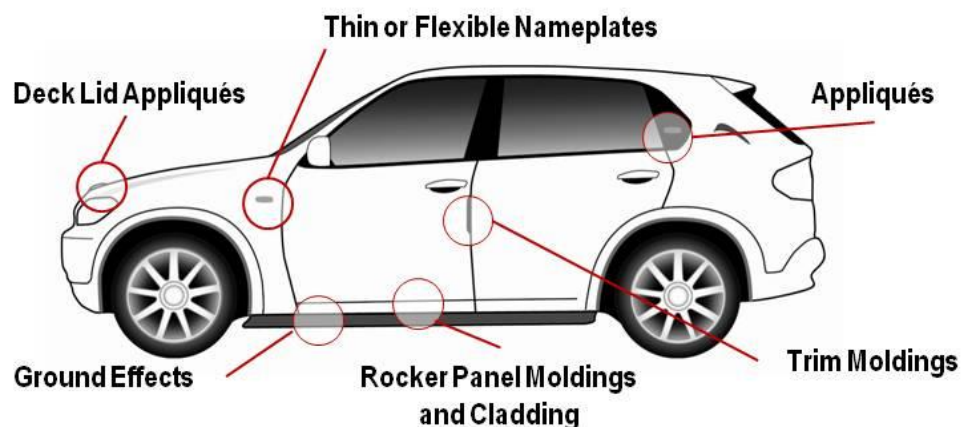
Description

3M™ Acrylic Foam Tape (AFT) GT7108 is a gray, acrylic foam tape designed for the attachment of emblems, nameplates, moldings, step pads and other automotive trim. The acrylic foam core has unique viscoelastic properties that allow it to elongate and relax when put under load, thereby minimizing stress on the adhesive bondline. It exhibits very good adhesion to traditional paints.

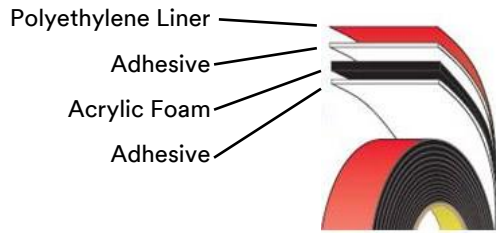
Key features of 3M AFT GT7108 include that it:

- Demonstrates excellent conformability and wet out on a range of automotive applications
- Maintains adhesion during the shrinkage and elongation of the part caused by temperature changes, while simultaneously maintaining good stress relaxation properties
- Provides very good final adhesion and peel strength
- Performs well in a wide range of weather, solvent, and temperature conditions

Applications



Product Construction



Physical Properties

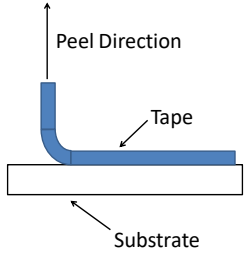
Values shown are typical values not to be used for specification purposes. Other 3M AFT Series GT7100 thicknesses are available upon request. Contact a 3M technical service representative for further details.

GT7108	
Thickness	0.80 mm (±0.10 mm) (0.031 in ±0.004 in)
Density	658 kg/m ³ (±80 kg/m ³) (41 lb/ft ³ ±5 lb/ft ³)

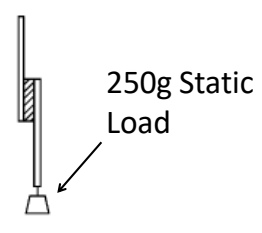
Typical Performance Characteristics

Performance tests are run using standard test procedures in 3M laboratories. These values presented are typical and not to be used for specification purposes. Peel values depend on test conditions and substrates.

90° Peel Strength		
Test Conditions	Substrate	GT7108 (lbf/0.5")
Initial (20 minutes after adhesion)	Painted Panel	3.10
	Primed TPO Panel	7.81
Normal (24 hours after adhesion)	Painted Panel	3.56
	Primed TPO Panel	9.22
Heat aging (10 days at 80°C/176°F ambient temperature)	Painted Panel	11.14
	Primed TPO Panel	11.16
Heat and Humidity Aging (10 days at 40°C/104°F and 100%RH)	Painted Panel	3.96
	Primed TPO Panel	7.84



80°C Static Shear (Time to failure in minutes — 10,000 minutes MAX)		
Test Conditions	Substrate	GT7108 (minutes)
1" x 1/2" tape sample laminated to the far end of a 3" x 1" paint sample. 3" x 1" anodized Al strip is then laminated to the other side of the test sample as indicated in the figure to the left. Tape sample tested in the 1" dimension direction.	Painted Panel and PVC Panel	10,000



Shelf Life

One year from the 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.

Regulatory Information

To obtain published IMDS ID numbers, email requests to 3M-IMDSrequest@mmm.com.

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 your 3M application engineer or call product application support at 1-800-328-1684.

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