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December 2025
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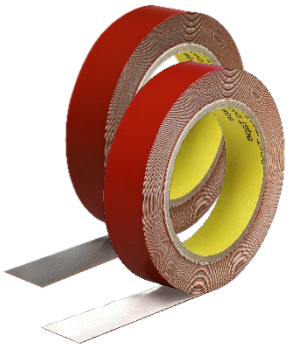
3M™ Acrylic Foam Tape GT7100 Series

Technical Data Sheet

General Description

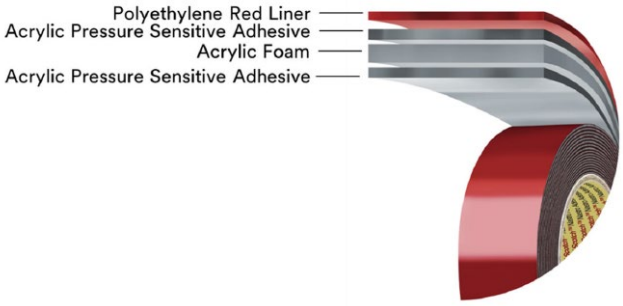
3M™ Acrylic Foam Tape GT7100 Series offers very good adhesion performance and high flexibility. These tapes are specifically designed for the attachment of automotive exterior and interior trim applications.



3M Tape GT7100 Series offers the following key features:

- Provides final adhesion and holding power to automotive paints and substrates.
- Meets a number of OEM specifications.
- Follows the shrinkage and elongation of the plastic part caused by temperature change and has good stress relaxation properties.
- Stress relaxation characteristics of the viscoelastic core, allow the tape to conform well to complex geometries and deliver excellent wet out.
- Demonstrates excellent adhesive performance at various temperature conditions.
- Excels in a variety of weather conditions and offers solvent and high temperature resistance.

Product Construction



Physical Properties

Product	Core	Core Color	Thickness *	Liner	Adhesive
GT7102	Acrylic Foam Core	Gray	0.2 mm	Translucent, red, polyethylene liner	Acrylic pressure sensitive
GT7104			0.4 mm		
GT7106			0.6 mm		
GT7108			0.8 mm		
GT7110			1.0 mm		
GT7112			1.2 mm		
GT7116			1.6 mm		
GT7120			2.0 mm		
GT7125			2.5 mm		
GT7130	Acrylic Foam Core	White	3.0 mm		
GT7135			3.5 mm		
GT7140			4.0 mm		

*Liner thickness is not included

Tabbing

An extended liner tab is recommended.

Tabbing Method and Liner Types	Tabbing Tape	Regional Availability
Heat-Bond Tabbing for Non-Silicone Coated Liners	3M™ Tabbing Tape 5081 or 5082	EMEA, Americas
	3M™ Tabbing Tape AM012	Asia
PSA Tabbing for Non-Silicone Coated Liners	3M™ Tabbing Tape 5300	Global
	3M™ Tabbing Tape AM926J, AM926JN or 4240, 4240N	Asia

Consult application guidelines for detailed product use instructions.

Performance Properties

3M understands that development of automotive applications is typically driven by specification requirements and performance. Each OEM has their own unique criteria, and 3M continues to develop products to meet those demands. Test reports are available upon request. Please contact your 3M application engineer for support and to obtain specific test data.

Typical performance of 3M™ Acrylic Foam Tape Series GT7100 is shown below. Peel and shear values depend on substrate characteristics and/or paint composition. These values are for reference only, and not to be used for specification purposes. For specification values please see the certificate of analysis.

Conditions/Test Parameter Definitions:

- Immediate State = 23°C, 20 minutes
- Normal State = 23°C, 24 hours
- High Temperature = 23°C, 24 hours -> 80°C
- Heat-aging = 23°C, 24 hours -> 80°C, 336 hours -> 23°C, 24 hours
- Warm Water Immersion = 23°C, 24 hours -> 40°C water, 336 hours -> 23°C, 24 hours
- Gasoline Immersion = 23°C, 24 hours -> Gasoline, 1 hour -> 23°C, 24 hours
- Wax-remover immersion = 23°C, 24 hours -> Wax-remover, 1 hour -> 23°C, 24 hours

180° Peel Adhesion to Painted Panel
Tape Size: 25 mm width; Tape backing: 25 µm PET film; Rolling Pressure: 5 kg roller one-way; Peel Speed: 50 mm/min.

Substrate	Conditions/Test Parameters	Typical Performance Value (N/cm)											
		GT7102	GT7104	GT7106	GT7108	GT7110	GT7112	GT7116	GT7120	GT7125	GT7130	GT7135	GT7140
Painted panel	Immediate State	6.9	8.5	9.4	10.2	10.8	11.4	12.4	12.7	13.4	13.8	14.8	15.3
	Normal State	8.2	11.0	11.5	12.6	13.7	14.9	16.1	17.4	19.2	21.2	23.5	25.3
	High Temperature	5.2	6.1	7.0	7.5	7.7	8.1	8.4	8.6	9.0	9.4	9.4	9.6
	Heat-aging	12.7	14.2	15.8	17.4	18.2	19.7	22.2	24.5	26.8	29.6	31.4	32.1
	Warm Water Immersion	9.9	12.1	13.5	15.3	15.9	16.5	19.3	21.2	23.5	25.7	27.2	28.9
PVC panel	Immediate State	10.5	12.0	13.0	14.2	15.5	16.9	19.2	20.9	23.5	24.3	24.6	25.8
	Normal State	11.8	12.8	13.8	14.7	16.0	17.0	19.2	21.0	23.3	24.5	25.1	25.9
	High Temperature	5.5	6.2	7.2	8.1	8.3	8.5	9.3	9.5	9.7	10.2	10.5	10.5
	Heat-aging	4.0	8.0	10.9	13.4	15.0	16.2	18.6	20.5	23.2	26.0	29.0	31.1
	Warm Water Immersion	9.1	10.8	12.5	14.0	15.0	16.2	18.6	20.3	22.1	24.8	27.0	28.7

[1] Painted panel: White colored painted panel with advanced paint, used on a vehicle
[2] PVC panel : 3M™ Adhesion Promoter N-210NT is applied on the PVC panel

Shear Strength Tape Size: 25 mm x 25 mm; Rolling Pressure: 5 kg roller one-way; Tensile Speed: 50 mm/min. Test measures liner side adhesion to painted panel and non-liner side adhesion to PVC panel.													
Substrate	**Conditions/Test Parameters**	**Typical Performance Value (MPa)**											
		GT7102	**GT7104**	**GT7106**	**GT7108**	**GT7110**	**GT7112**	**GT7116**	**GT7120**	**GT7125**	**GT7130**	**GT7135**	**GT7140**
Painted panel and PVC panel	Immediate State	0.84	0.75	0.73	0.70	0.66	0.61	0.56	0.52	0.48	0.47	0.45	0.45
	Normal State	0.86	0.79	0.75	0.71	0.65	0.61	0.56	0.52	0.49	0.47	0.45	0.45
	High Temperature	0.28	0.24	0.23	0.22	0.21	0.20	0.19	0.18	0.17	0.16	0.15	0.15
	Warm Water Immersion	0.84	0.75	0.71	0.67	0.63	0.58	0.53	0.49	0.47	0.46	0.44	0.42
	Gasoline Immersion	0.83	0.75	0.72	0.69	0.63	0.60	0.52	0.48	0.47	0.45	0.44	0.44
	Wax-remover immersion	0.75	0.69	0.64	0.61	0.58	0.53	0.47	0.43	0.40	0.40	0.39	0.38

[1] Painted panel: White colored painted panel with advanced paint, used on a vehicle
[2] PVC panel : 3M™ Adhesion Promoter N-210NT is applied on the PVC panel

Shelf Life

Three years from date of manufacture when stored at recommended storage condition 23°C +/- 2°C and 50% +/- 4% relative humidity.

3M Acrylic Foam Tape GT7100 Series should be stored in typical storage conditions for pressure-sensitive adhesives used within the automotive industry. During transportation, storage conditions are uncontrolled for a short period of time (a few days or weeks). This should not impact product performance. However, materials should not be stored in excess of the recommended conditions for extended periods.

Regulatory Information

The product is published as a material entry and is available for access on www.mdsystem.com. For product IMDS I.D. number, 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 engineering representative or connect with a 3M expert.

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