

3M™ Acrylic Foam Tape Series GT6000

Technical Data Sheet



Product Description

3M™ Acrylic Foam Tape Series GT6000 demonstrates a good adhesion to many automotive surfaces, good inner strength, excellent long term stability and very good adaptability to the bonded areas.

Typical applications are attachments of exterior add-on-parts such as body side moldings, trims or emblems/inserts.

Based on the unique viscoelastic property of GT6000, stress is relaxed in the adhesive bond line so that durable bonds are formed.

Product Features

- Good adhesion to many automotive paints.
- Operating temperature up to 120°C.
- Optimized acrylate foam core for easy application and good adaptation to component surfaces.
- Temperature, weather, UV and solvent resistant.
- Suitable for all manual and automatic application processes.

Advantages

- 3M™ Acrylic Foam Adhesive Tapes can compensate stress due to their unique viscoelasticity. In contrast to foam adhesive tapes (PE, PU adhesive tapes), they can cope with significant elongation differences between substrates in case of temperature changes.
- Easy to use: The tape can be easily processed in multiple ways to cut and to apply.
- Good initial adhesion: The initial adhesion allows immediate further processing often without temporary support or fixtures.
- Freedom of design: enables the easy differentiation of vehicle models through modified trim attachments without change of the body configuration.
- Sealing and damping properties: positive improvement of NVH properties.

Product Construction



Physical Properties

Typical Values	GT6006	GT6008	GT6012
Thickness	0.6 mm	0.8 mm	1.2 mm
90° Peel on 3M Reference Stainless Steel plates (Specification values have to be determined on customer substrate)			
20 min RT Liner Side (LS)	19 N/cm	22 N/cm	29 N/cm
72 h RT Liner Side (LS)	20 N/cm	23 N/cm	29 N/cm
Density	700 kg/m ³		
Core	3M™ Acrylic Foam Tape		
Color	Gray		
Liner	F: Red polyethylene foil (only GT6008 and GT6012). P: Brown paper liner for die cuts; not suitable for lathe slitting.		
Adhesive Liner Side (LS) and Non-Liner Side (NLS)	Self-stick, good initial and final adhesion on various paint systems and surfaces.		
Shelf Life	<u>Film liner</u> Duration: 36 month from date of manufacturing Conditions: 4 °C - 38 °C and 0 - 95 % RH in original unopened packaging – optimum: 23 °C ± 2 °C and 50% ± 4 % RH <u>Paper liner</u> Duration: 24 month from date of manufacturing Conditions: application specific – optimum 23 °C ± 2 °C and 50% ± 4 % RH <u>Levelwound rolls</u> to be stored horizontally.		
Temperature Resistance	-40°C to +120°C, short term 160°C (both values are load dependent).		
Tabbing	An extended liner tab is recommended. F: 3M™ PSA Tabbing 5300 or 3M™ Heat-bonding tabbing 5081 - 5082. P: An extended liner tab is recommended.		
Splices	Number of splices depends on order quantity and roll length. Level-wound rolls have 3-4 splices on average. Smaller order quantities (less than 400 m ²) rolls could contain a significantly different number of splices.		
Regulatory Information	Please refer to the product label and Safety Data Sheet (SDS) for health and safety information before using. Observe proper handling precautions as outlined in the SDS, which is available on request or use www.3M.com/msds . The product is published as material entry and is available for access on www.mdssystem.com . For Product IMDS ID Number, email requests to 3M-IMDSrequest@mmm.com. (In Germany use ge-produktsicherheit@mmm.com).		

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