



GT6008

3M™ Acrylic Foam Tape

Technical Data Sheet

October 2008

Description

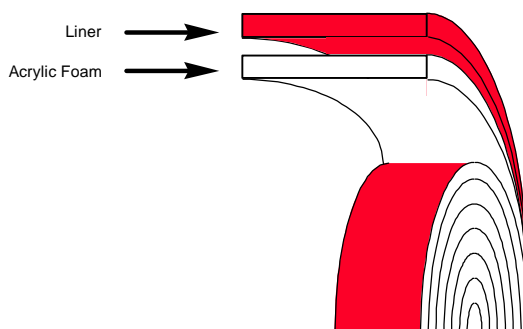
GT6008 is a 3M™ Acrylic Foam Tape of grey foamed acrylic adhesive with medium density.

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

GT6008 possesses a good adhesion to many automotive surfaces, good inner strength, excellent long term stability as well as a very good adaptability to the areas adhered to.

Thru the unique visco-elastic property of the GT6008, stress is decreased in the adhesive bond line so that durable bondings are formed.

Construction



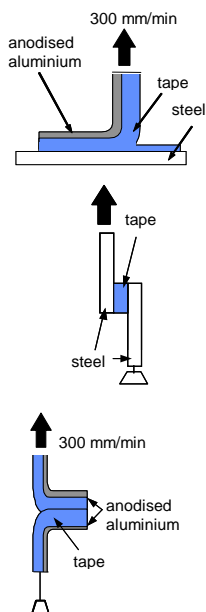
General Properties

| | |
|------------------------------|--|
| Core | Visco-elastic Acrylic Foam, medium density (700 kg/m ³) |
| Colour | grey |
| Thickness (without liner) | 0.8 mm ± 0.1 mm |
| Liner | F - red polyethylene foil P - white paperliner for die cuts; not suitable for lathe slitting |
| Shelf Life | Up to 12 months from date of delivery when stored in unopened original cartons at +4°C to +38°C and 0 - 95 % relative humidity |

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Performance Properties (Typical Values)



| Test | Result |
|---|--|
| 90° peel adhesion on polished steel 3M TM 1637 20 minutes at RT 72 hours at RT | 22 N/cm 27 N/cm |
| Static Shear Adhesion 3M TM 1266-B The static shear test is carried out with an bonded area of 25.4 mm by 12.7 mm wide tape. 6.8 kg roll-down against polished steel | Exceeds more than 10,000 minutes at 90°C Weight: 500 gr |
| Alu T-Peel 3M TM 1636 | 20 N/cm |

Characteristics of the Acrylic Foam Tape

The Acrylic Foam Tape is manufactured using a special process of producing a homogeneous system of high performance acrylic adhesive. The product can be used for numerous applications both on the exterior and interior of vehicles. The unique viscoelastic nature of acrylic foam gives it a high cohesive strength combined with excellent shock and weathering resistance. The initial adhesion increases with time to provide a durable, high performance bond between the part and the painted substrate. To get an optimised bond, the surfaces must be clean, dry and possibly flat, and show a good fit. Decisive for the raise of adhesion force is the overall contact about the whole area to be bonded. The contact is being forced by the pressure. For practically bonding there is a pressure between 10 to 50 N/cm² required, while having a temperature of 18°C or higher.

Additional Information

This data sheet contains specific information about the product. General characteristics and application rules of acrylic foam tapes are available separately.

Important notice

All statements, technical information and recommendations herein are based on tests we believe to be reliable, but the accuracy or completeness thereof is not guaranteed. Please ensure before using our product that it is suitable for your intended use. All questions of liability relating to this product are governed by the Terms of Sale subject, where applicable, to the prevailing law.

