

3M™ Acrylic Foam Tape 5608

Technical Data Sheet

Product Description

3M™ 5608 Acrylic Foam Tape is a high performance tape made of grey acrylic foam. The tape is especially qualified for attaching elastomeric parts such as seals to car bodies and doors. 5608 is characterised by its high adhesion to a variety of automobile surfaces. One side of the tape is attached to the painted surface or the respective substrate by a pressure sensitive adhesive. The other side is bonded to the elastomeric part through heat-activation. The heat-activated adhesive guarantees a durable bond, especially to seals made of EPDM and TPE Rubber. A good inner strength, brilliant long-term stability as well as very good conformability to the bonded surfaces are characteristic attributes of 5608.

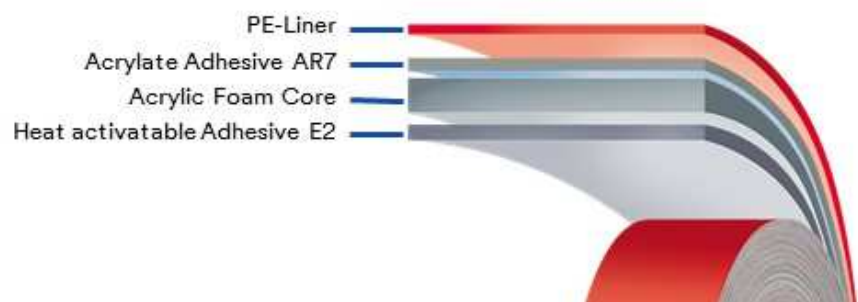
Product Features

- Good adhesion to many automotive paints.
- Operating temperature up to 90°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	5608
Thickness	0.8 mm
90° Peel on 3M Reference Stainless Steel plates (Specification values have to be determined on customer substrate)	
20 min RT Liner Side (LS)	27 N/cm
72 h RT Liner Side (LS)	31 N/cm
Density	650 kg/m ³
Core	3M™ Acrylic Foam Tape
Color	Gray
Liner	Orange polyethylene film.
Adhesive Liner Side (LS) and Non-Liner Side (NLS)	Non-liner side (NLS) (to rubber): E2 heat-activatable adhesive for EPDM and TPE. Liner Side (LS) (paint side): AR7 acrylate adhesive with high initial tack and high ultimate bond strength to a wide variety of clearcoat systems and substrates.
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>Levelwound rolls</u> to be stored horizontally.
Temperature Resistance	-40°C to +90°C, short term 120°C (both values are load-dependent).
Tabbing	An extended liner tab is recommended. H Liner : 3M™ Heat-bonding tabbing 5081 - 5082. R Liner: 5075.
Splices	Number of splices depends on order quantity and roll length. Level-wound rolls have 3-4 splices in average. Smaller order quantities (smaller than one jumbo) rolls could contain up to 17 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).
IMDS	http://www.mdssystem.com/imdsnt/startpage/index.jsp

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Revision 13

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Supersedes former versions.