



Public

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3M™ Automix™ Pillar Foam

Data Sheet

3M Part No.(s) **3M Part Descriptor(s)**
08458 3M™ Automix™ Pillar Foam

3M Fax on Demand Identification Number : 08458

Description

3M™ Automix™ Pillar Foam is a rigid, two-part urethane material which foams in place (closed-cell foam). It is designed to replace OEM's rigid foams found in pillars, sills and other automotive body cavities.

Features, Advantages, Benefits

Features	<ul style="list-style-type: none"> ● Designed to "flow in and fill" to seal and eliminate wind noise ● Expands to 10 times its original volume ● Can be used for OEM replacement of rigid foams ● Standard 3M Automix applicator gun 08117 for application
Advantages	<ul style="list-style-type: none"> ● Flowing and foaming properties allow excellent filling of cavities ● High expansion fills large cavities ● Closely mimics OEM performance ● No need for a new applicator gun
Benefits	<ul style="list-style-type: none"> ● Technician can let material flow instead of needing to work foam into areas ● Small amount of material to fill large area ● Helps restore "pre accident condition" as much as possible ● Fits in with the rest of the 3M™ Automix™ line

Typical Physical Properties

Container	200 ml Automix Cartridge	
Base	Urethane Base	Accelerator
Density lbs/Gallon (Appx.)	8.3	10.3
Color	Yellow	Brown
Flash Point - °F	> 200 deg C	
Viscosity (CPS) Brookfield Viscometer		
Solids Content (Appx.)	100%	
Consistency	Liquid prior to mixing, foam afterwards	
Solvent	None	
Service Temperature - °F	-20 to 180 deg F	
Propellant	N/A	
Thermal Resistivity	~4.0 R value / inch	Based on a limited number of tests.

Product Uses

To replace rigid (but not structural) OEM foams during collision repair.

Performance Properties

- Provides very similar sound dampening characteristics to OEM foam.
- Expands to 10 times original volume.
- Approximate foam density of 0.6 lb/gal when expansion is not restricted.

Handling and Application Information

Directions for Use

1. Cover any adjacent surfaces with masking paper or other acceptable protection to insure that extra foam does not damage them.
2. Insert the product into an appropriate 3M™ Applicator Gun.
3. Remove end seal cap and extrude a small amount from both sides to be sure that the cartridge is equalized.
4. Attach mixing nozzle with the docking collar and extrude a small amount from the tip before beginning on the work piece.
5. Apply to desired location and wait for product to expand and set up.
6. IMPORTANT: Once you have applied the foam, allow the product to cure in the mixing nozzle BEFORE backing off the applicator gun piston. This will allow the product to foam and expand in the tip without being allowed to foam back into the cartridge. Store the product with the nozzle in place and simply install a new nozzle to reuse the cartridge.
7. If product must be trimmed, be sure to seal the area that was cut with a 3M™ seam sealer or equivalent product to prohibit moisture intrusion into the foam structure. If product is not trimmed, closed-cell structure will prohibit moisture intrusion.

Applications

Replacing OEM rigid foam in pillars, doors, floorpans, roof bows, and any other areas where OEM rigid foam is found.

Storage and Handling

HANDLING

Do not eat, drink or smoke when using this product. Wash exposed areas thoroughly with soap and water. Keep out of the reach of children. Keep container closed when not in use. Avoid breathing of dust created by cutting, sanding, grinding or machining. For industrial or professional use only. Avoid eye contact with dust or airborne particles.

STORAGE

Store in a dry area at 72 deg F for optimal shelf life. Store away from acids and other oxidizing agents.

Precautionary Information

Refer to Product Label and Material Safety Data Sheet for Health and Safety Information before using this product. Take additional care when working around this foam with high heat (welding, grinding, etc.). Foam that is ignited will release dangerous vapor, wear appropriate respiratory protection when working near foam with high heat.

Country

US

This document is public. It may be distributed.

Warranty and Limited Remedy

This product will be free from defects in material and workmanship at the time of shipment. 3M MAKES NO OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR PARTICULAR PURPOSE. User is responsible for determining whether the 3M product is fit for a particular purpose and suitable for user's application. If this product is defective, your exclusive remedy and 3M's and seller's sole obligation shall be, at 3M's option, to replace the product or refund the purchase price.

LIMITATION OF LIABILITY: 3M and seller will not be liable for any loss or damage arising from this 3M product, whether direct, indirect, special, incidental or consequential, regardless of the legal theory asserted, including warranty, contract, negligence or strict liability.

For Additional Health and Safety Information

3M Automotive Aftermarket Division

3M Center, Building 223-6N-01

Saint Paul, MN 55144-1000

1-877-666-2277 (1-877-MMM-CARS)

Material Safety Data Sheets and Technical Data Sheets are also available by calling Fax on Demand 1-800-305-0419.

Help Line 1-800-621-5455 (US) 1-650-596-4407 (International).

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Author: Aaron N. Berg/US-Corporate/3M/US

Modifiers: Jennifer L. Kamarainen/US-Corporate/3M/US

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