



Public

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3M™ Automix™ TPO Plastic Parts Repair

Data Sheet

3M Part No.(s)	3M Part Descriptor (s)
08239	3M™ Automix™ TPO Plastic Parts Repair

3M Fax on Demand Identification Number : 08239

Description

Two-part urethane used to repair thermoplastic polyolefins (TPO) such as PP, PE, and EPDM.

Features, Advantages, Benefits

Features	Urethane Chemistry Self-mixing
Advantages	Extremely fast work time Proper product ratio everytime
Benefits	Excellent choice for nicks, gouges, or small defects Increases productivity

Typical Physical Properties

Container	200mL Automix™ Cartridge
Base	Urethane
Density lbs/Gallon (Appx.)	10.7/10.2
Color	White/Black
Flash Point - °F	>200 °F
Viscosity (CPS) Brookfield	12000 - 20000 centipoise
Viscometer	
Solids Content (Appx.)	100%
Consistency	Paste
Solvent	N/A
Service Temperature - °F	-20 to 180 deg F
Propellant	N/A
Boiling Point - °F	>95 °F

Product Uses

Gouges and small nicks on bumper fascia and other plastic parts. A better, newer choice for this same repair is 3M™ Automix™ EZ Sand Flexible Parts Repair, PN 05887.

Performance Properties

Work time: 50 sec
Sand time: 30 min
Cure time: 1 hour

Handling and Application Information

Directions for Use

1. Featheredge paint around the repair with a grade 180 disc on a DA sander. Also sand the outer edges of the repair area to round of any SHARP edges.
2. Wipe with a clean, dry rag and blow off with compressed air. Apply 3M™ Automix™ Polyolefin Adhesion Promoter following label directions.
3. Insert 3M™ Automix™ TPO Plastic Parts Repair 200 mL syringe into 3M™ Applicator Gun.
4. Remove end seal cap.
5. Extrude a small amount of filler until both parts dispense equally.
6. Attach 3M™ Mixing Nozzle to syringe and lock in place with retaining collar.
7. Apply a thin coat of mixed filler material to the repair area making certain to completely "WET OUT" the surface.
8. Add additional mixed product, building up the repair higher than the surrounding undamaged area.
9. Allow the repair material to cure 30 minutes at 65-75°F.
10. Sand with a grade 180 abrasive followed by 240.
11. Wipe and blow off the surface with compressed air. Apply 3M™ Automix™ Polyolefin Adhesion Promoter.

Applications

Gouges and small nicks on bumper fascia and other plastic parts. A better, newer choice for this same repair is 3M™ Automix™ EZ Sand Flexible Parts Repair, PN 05887.

Storage and Handling

HANDLING

Contents may be under pressure, open carefully. Avoid eye contact with vapors, mists, or spray. Avoid skin contact. Avoid breathing of dust created by cutting, sanding, grinding or machining. Do not breathe vapors. Do not eat, drink or smoke when using this product. Wash exposed areas thoroughly with soap and water.

STORAGE

Keep container in well-ventilated area. Store away from heat. Store out of direct sunlight. Store away from acids. Store away from strong bases.

Precautionary Information

Refer to Product Label and Material Safety Data Sheet for Health and Safety Information before using this product . Hazardous polymerization may occur. May cause allergic skin reaction. May cause allergic respiratory reaction. Contains a chemical or chemicals which can cause cancer. Always wear gloves, eye protection, appropriate respiratory protection, and work in a well-ventilated area

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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