



Automotive Aftermarket Division

3M™ 51009 Fine Polyester Putty for Plastic

1) Part Numbers

51009

2) Description and end uses

3M™ 51009 is a two-pack filler paste with a high flexibility suitable for automotive aftermarket plastic repairs. It offers excellent adhesion and easy sanding; particularly suitable for small reconstruction and repair of plastic. When working on low surface energy plastics such as polyethylene, the use of 05917 adhesion promoter is recommended.

3M™ has not tested and does not recommend the use of 3M™ 51009 for any other applications.

3) Physical Properties

Colour	Dark gery
Binder	Blend of unsaturated polyester resins
Specific gravity*	Part A: 1,62 kg/l (+/- 0,03)
Viscosity	Thixotropic paste
Hardener	Past code 4000
Curing ratio	100 of A + (from 1% to 3%) of B (by weight)
Gel time*	5 ÷ 7 minutes with 2 parts by weight of hardener to 100 parts of A
Complete polymerisation*	After 3 hours
Sandability*	After 45 minutes on medium thickness
Flexibility	Very good
Water resistant	Very good
Solvent resistant	Very good
Storage life*	12 months in original sealed container, away from light

*@ 20°C (68°F) Temperature



Technical Data Sheet

Effective: 18/08/2020 Supersedes: 15/10/2013

NOTE: The product is compliant with Directive 2004/42/CE-IIB(b) maximum VOC limit value: 250 g/l

Surface preparation: Can be used on all types of plastics normally used in the automotive industry, except polyethylene and its mixtures. Surfaces to be filled must be thoroughly cleaned and degreased, in order to remove any traces of earth, oil, bitumen, silicon, etc.

It is then necessary to slightly abrade the substrate with a suitable 3M™ abrasive disc or sheet, from P80-180. The surface should then be cleaned again before application of the mixed filler product.

For any further information apply to our TECHNICAL SERVICE.

Application method: Filler spreader

Product preparation: To use the filler, add the hardener according to the room temperature as shown in the table below. Mix the two components thoroughly and apply the mixed product with a light pressure on the spreader, to get good adhesion to the plastic substrate.

Suggested ratio for a temperature	Tube (by weight)
Up to 10°C (50°F)	3%
10 ÷ 20°C (50 ÷ 68°F)	2%
Over 20°C (68°F)	1%

4) Directions for Use

Avoid large thickness

Avoid to apply when temperature is below + 10°C (50°F)

5) Storage

Store the material in a clean and dry environment for a period not exceeding 12 months from date of manufacture.

Inventory turns "FIFO", "First In - First Out".

6) Safety

Wear appropriate safety equipment as required by law. Refer to safety data sheets for 3M products, or contact the 3M™ Toxicology Service for information on products.

3M™ 51009 Fine Polyester Putty for Plastic is designed FOR PROFESSIONAL INDUSTRIAL USE ONLY.



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7) Disclaimer

All statements, technical information and recommendations are based on tests we believe to be reliable as at the date of hereof, but the accuracy or completeness thereof is not guaranteed. Please ensure before using the product that it is suitable for your intended use. Since the conditions and methods of use of the product and of the information referred to herein are beyond our control, other than for fraudulent misrepresentation, 3M expressly disclaims any and all liability as to any results obtained or arising from any use of the product or reliance on such information.

For Additional Health and Safety Information

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