

## 3M Scotchkote™ EG 503 Epoxy Metal Repair

Category : Polymer , Thermoset , Epoxy

**Material Notes:**

Scotchkote Epoxy Metal Repair EG 503 is a specifically developed high performance metal compound that provides good mechanical strength combined with easy machining properties. Product Features: Combines good machining characteristics with good mechanical properties. Designed for application by trowel or spatula at thicknesses up to 12 mm. Provides outstanding cold weld capabilities. Designed for use to repairs to cracked casting and rebuilding worn shafts, bearing housings and flanges. Excellent adhesion to correctly prepared metal surface. Information provided by 3M

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_3M-Scotchkote-EG-503-Epoxy-Metal-Repair.php](http://www.lookpolymers.com/polymer_3M-Scotchkote-EG-503-Epoxy-Metal-Repair.php)

Physical Properties	Metric	English	Comments
Solids Content	100 %	100 %	
Thickness	11900 microns	470 mil	

Mechanical Properties	Metric	English	Comments
Flexural Strength	68.9 MPa	10000 psi	
Compressive Strength	107 MPa	15500 psi	
Shear Strength	17.2 MPa	2500 psi	Tensile Shear Adhesion

Thermal Properties	Metric	English	Comments
Heat Distortion Temperature	90.0 °C	194 °F	post cured 24 hrs at 100°C

Processing Properties	Metric	English	Comments
Cure Time	60.0 min	1.00 hour	Initial Set
	4320 min	72.0 hour	Full Cure

Descriptive Properties	Value	Comments
Appearance	Gray	

## Contact Songhan Plastic Technology Co.,Ltd.

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