

3M Scotchkote™ RG 501 Urethane Metal Repair

Category : Polymer

Material Notes:

Scotchkote Urethane Metal Repair RG 501 has been specifically developed as a rapid curing repair system for rebuilding and repairing equipment requiring good mechanical strength. Product Features: Combines good application characteristics with speed of cure to minimize down time. Designed for application by putty knife or spatula at thicknesses up to 6 mm. Can be applied to any damaged metal surface, plus glass, fiberglass and other composite surfaces. Designed for rapid repairs to cracked casting, leaking pipes, tanks and flanges. Exhibits excellent adhesion to correctly prepared metal surfaces. Information provided by 3M

Order this product through the following link:

http://www.lookpolymers.com/polymer_3M-Scotchkote-RG-501-Urethane-Metal-Repair.php

Physical Properties	Metric	English	Comments
Solids Content	100 %	100 %	
Thickness	6100 microns	240 mil	

Mechanical Properties	Metric	English	Comments
Flexural Strength	49.0 MPa	7100 psi	
Compressive Strength	84.1 MPa	12200 psi	
Shear Strength	17.2 MPa	2500 psi	Tensile Shear Adhesion, on a grit blasted steel

Thermal Properties	Metric	English	Comments
Heat Distortion Temperature	52.0 °C	126 °F	

Processing Properties	Metric	English	Comments
Cure Time	10.0 min	0.167 hour	Initial Set
	30.0 min	0.500 hour	Hard Dry for machining
	120 min	2.00 hour	Full Mechanical

Descriptive Properties	Value	Comments
Appearance	Gray	

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