

ITW Devcon Metal Welder, Methacrylate Adhesive, Grey / Beads

Category : Polymer , Adhesive , Thermoset , Methacrylate , Methacrylate Adhesive

Material Notes:

Information provided by ITW Devcon

Order this product through the following link:

http://www.lookpolymers.com/polymer_ITW-Devcon-Metal-Welder-Methacrylate-Adhesive-Grey-Beads.php

Physical Properties	Metric	English	Comments
Viscosity	90000 cP	90000 cP	Mixed Viscosity (Thixotropic gel)

Mechanical Properties	Metric	English	Comments
Elongation at Break	40 - 60 %	40 - 60 %	
Adhesive Bond Strength	16.9 MPa	2450 psi	lap shear; ASTM D1002
Tensile Impact Strength	>= 42.0 kJ/m ²	>= 20.0 ft-lb/in ²	
Peel Strength	5.26 - 7.01 kN/m	30.0 - 40.0 pli	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	93.3 Â°C	200 Â°F	dry
Minimum Service Temperature, Air	-55.0 Â°C	-67.0 Â°F	dry

Processing Properties	Metric	English	Comments
Cure Time	4.00 - 5.00 min	0.0667 - 0.0833 hour	Working time
	20.0 - 25.0 min	0.333 - 0.417 hour	Fixture time
	60.0 - 120 min	1.00 - 2.00 hour	Functional cure

Descriptive Properties	Value	Comments
Mix ratio (Resin:Hardener)	10:1	

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