

ITW Devcon Plastic Welderâ„¸ Methacrylate Adhesive II, Ultra White

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-Plastic-Welder-Methacrylate-Adhesive-II-Ultra-White.php

Physical Properties	Metric	English	Comments
Viscosity	56000 cP	56000 cP	Mixed Viscosity (Thixotropic gel)

Mechanical Properties	Metric	English	Comments
Elongation at Break	5.0 - 15 %	5.0 - 15 %	
Adhesive Bond Strength	20.7 MPa	3000 psi	lap shear (on grit blasted steel, bond line thickness of 0.010"); ASTM D1002
Tensile Impact Strength	35.7 kJ/m ²	17.0 ft-lb/in ²	
Peel Strength	2.63 - 3.51 kN/m	15.0 - 20.0 pli	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	121 Â°C	250 Â°F	dry
Minimum Service Temperature, Air	-55.0 Â°C	-67.0 Â°F	dry

Processing Properties	Metric	English	Comments
Cure Time	2.00 - 3.00 min	0.0333 - 0.0500 hour	Working time
	8.00 - 10.0 min	0.133 - 0.167 hour	Fixture time
	120 - 240 min	2.00 - 4.00 hour	Functional cure

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

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