

ITW Devcon Flex Welder, Methacrylate Adhesive, Off-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-Flex-Welder-Methacrylate-Adhesive-Off-White.php

Physical Properties	Metric	English	Comments
Viscosity	52000 cP	52000 cP	Mixed Viscosity

Mechanical Properties	Metric	English	Comments
Elongation at Break	120 %	120 %	
Adhesive Bond Strength	10.3 MPa	1500 psi	lap shear (on grit blasted steel, bond line thickness of 0.010"); ASTM D1002
Tensile Impact Strength	42.0 kJ/m ²	20.0 ft-lb/in ²	
Peel Strength	3.51 - 4.73 kN/m	20.0 - 27.0 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	9.00 - 12.0 min	0.150 - 0.200 hour	Working time
	40.0 - 45.0 min	0.667 - 0.750 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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