

ITW Devcon Flex Welder, Methacrylate Adhesive FC, Off-White, Black

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-FC-Off-White-Black.php

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

Mechanical Properties	Metric	English	Comments
Elongation at Break	100 %	100 %	
Adhesive Bond Strength	17.61 MPa	2554 psi	lap shear (on grit blasted steel, bond line thickness of 0.010"); ASTM D1002
Tensile Impact Strength	39.9 kJ/m ²	19.0 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	-40.0 Â°C	-40.0 Â°F	dry

Processing Properties	Metric	English	Comments
Cure Time	3.00 - 5.00 min	0.0500 - 0.0833 hour	Working time
	11.0 - 15.0 min	0.183 - 0.250 hour	Fixture time
	60.0 min	1.00 hour	Functional cure

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

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