

ITW Devcon Plastic Welder, Methacrylate Adhesive, Straw, 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-Plastic-Welder-Methacrylate-Adhesive-Straw-White-Black.php

Physical Properties	Metric	English	Comments
Viscosity	50000 cP	50000 cP	Mixed Viscosity (Thixotropic gel)

Mechanical Properties	Metric	English	Comments
Elongation at Break	15 - 25 %	15 - 25 %	
Adhesive Bond Strength	24.1 MPa	3500 psi	lap shear (on grit blasted steel, bond line thickness of 0.010"); ASTM D1002
Tensile Impact Strength	46.2 kJ/m ²	22.0 ft-lb/in ²	
Peel Strength	6.14 - 7.01 kN/m	35.0 - 40.0 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	4.00 - 6.00 min	0.0667 - 0.100 hour	Working time
	10.0 - 15.0 min	0.167 - 0.250 hour	Fixture time
	45.0 - 60.0 min	0.750 - 1.00 hour	Functional cure

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

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