

ITW Devcon 10 minuteâ„¢ Epoxy, Clear

Category : Polymer , Adhesive , Thermoset , Epoxy

Material Notes:

Information provided by ITW Devcon

Order this product through the following link:

http://www.lookpolymers.com/polymer_ITW-Devcon-10-minute-Epoxy-Clear.php

Physical Properties	Metric	English	Comments
Viscosity	80000 cP	80000 cP	Mixed Viscosity

Mechanical Properties	Metric	English	Comments
Elongation at Break	5.0 %	5.0 %	
Adhesive Bond Strength	16.5 MPa	2400 psi	lap shear (on grit blasted steel, bond line thickness of 0.010"); ASTM D1002
Tensile Impact Strength	21.0 kJ/m ²	10.0 ft-lb/in ²	
Peel Strength	3.51 - 4.38 kN/m	20.0 - 25.0 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

Optical Properties	Metric	English	Comments
Transmission, Visible	90 %	90 %	clear; thickness not quantified

Processing Properties	Metric	English	Comments
Cure Time	10.0 min	0.167 hour	Working time
	20.0 min	0.333 hour	Fixture time
	90.0 min	1.50 hour	Functional cure

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

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