

ITW Devcon Safety Clear Coat, Epoxy, Water 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-Safety-Clear-Coat-Epoxy-Water-Clear.php

Physical Properties	Metric	English	Comments
Viscosity	3500 cP	3500 cP	Mixed Viscosity

Mechanical Properties	Metric	English	Comments
Elongation at Break	150 %	150 %	
Adhesive Bond Strength	8.27 MPa	1200 psi	lap shear (on grit blasted steel, bond line thickness of 0.010"); ASTM D1002
Tensile Impact Strength	31.5 kJ/m ²	15.0 ft-lb/in ²	
Peel Strength	8.77 kN/m	50.0 pli	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	79.4 Â°C	175 Â°F	dry
Minimum Service Temperature, Air	-40.0 Â°C	-40.0 Â°F	dry

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

Processing Properties	Metric	English	Comments
Cure Time	30.0 - 40.0 min	0.500 - 0.667 hour	Working time
	240 min	4.00 hour	Fixture time
	480 - 600 min	8.00 - 10.0 hour	Functional cure

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

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