

Dow Corning JCR 6140

Category : Polymer , Adhesive , Thermoset , Silicone

Material Notes:

Two-part, transparent, medium modulus LED encapsulant with high transparency and medium viscosity. Information provided by Dow Corning

Order this product through the following link:

http://www.lookpolymers.com/polymer_Dow-Corning-JCR-6140.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.00 g/cc	1.00 g/cc	
	@Temperature 25.0 °C	@Temperature 77.0 °F	

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	40	40	
Tensile Strength, Ultimate	2.500 MPa	362.6 psi	
Elongation at Break	110 %	110 %	
Modulus of Elasticity	0.00100 GPa	0.145 ksi	
Shear Strength	0.00965 MPa	1.40 psi	

Optical Properties	Metric	English	Comments
Refractive Index	1.399	1.399	
	1.406	1.406	
	1.397	1.397	
	@Wavelength 1554 nm	@Wavelength 1554 nm	
Transmission, Visible	90 %	90 %	transparent; thickness not quantified

Electrical Properties	Metric	English	Comments
Volume Resistivity	2.10e+14 ohm-cm	2.10e+14 ohm-cm	
Dielectric Constant	2.8	2.8	
	@Frequency 1.00e+6 Hz	@Frequency 1.00e+6 Hz	
Dielectric Strength	0.339 kV/mm	8.60 kV/in	

Processing Properties	Metric	English	Comments
Cure Time	60.0 min	1.00 hour	
	@Temperature 150 °C	@Temperature 302 °F	
Shelf Life	6.00 Month	6.00 Month	

Descriptive Properties	Value	Comments
Appearance	clear	
Mix Ratio (X:1)	100	Base to Catalyst ETN

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