

Cotronics 4700 Ultra Temp Adhesive and Casting Epoxy, General Purpose

Category : Polymer , Thermoset , Epoxy

Material Notes:

Order this product through the following link:

http://www.lookpolymers.com/polymer_Cotronics-4700-Ultra-Temp-Adhesive-and-Casting-Epoxy-General-Purpose.php

Physical Properties	Metric	English	Comments
Density	1.80 g/cc	0.0650 lb/in ³	
Moisture Absorption at Equilibrium	0.020 %	0.020 %	
Viscosity	40000 cP	40000 cP	

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	94	94	
Tensile Strength, Ultimate	76.5 MPa	11100 psi	
Elongation at Break	2.0 %	2.0 %	

Thermal Properties	Metric	English	Comments
CTE, linear	64.0 µm/m-°C	35.6 µin/in-°F	
	@Temperature 20.0 °C	@Temperature 68.0 °F	
Thermal Conductivity	1.87 W/m-K	13.0 BTU-in/hr-ft ² -°F	
Maximum Service Temperature, Air	316 °C	600 °F	
Shrinkage	0.20 %	0.20 %	

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+14 ohm-cm	1.00e+14 ohm-cm	
Dielectric Strength	21.7 kV/mm	550 kV/in	

Processing Properties	Metric	English	Comments
Cure Time	240 min	4.00 hour	
	@Temperature 121 °C	@Temperature 250 °F	

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