

Cotronics Duralco™ 4460 Electrically Resistant, Low Viscosity Epoxy Adhesive, Coating, and Sealant

Category : Polymer , Thermoset , Epoxy

Material Notes:

Excellent adhesion to metals, plastics, ceramics and glass. High bond strength, low moisture absorption, high thermal stability, low shrinkage and excellent chemical, electrical, and radiation resistance. Applications: Ideal for ultra thin bond lines, sealing porous materials and protecting bonding and coating critical electronic components, strain gauges, etc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Cotronics-Duralco-4460-Electrically-Resistant-Low-Viscosity-Epoxy-Adhesive-Coating-and-Sealant.php

Physical Properties	Metric	English	Comments
Density	1.10 g/cc	0.0397 lb/in ³	
Moisture Absorption at Equilibrium	0.10 %	0.10 %	
Viscosity	600 cP	600 cP	

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	80	80	
Tensile Strength, Ultimate	71.0 MPa	10300 psi	
Elongation at Break	5.0 %	5.0 %	

Thermal Properties	Metric	English	Comments
CTE, linear	64.0 $\mu\text{m}/\text{m}\cdot\text{°C}$	35.6 $\mu\text{in}/\text{in}\cdot\text{°F}$	
	@Temperature 20.0 °C	@Temperature 68.0 °F	
Thermal Conductivity	0.576 W/m-K	4.00 BTU-in/hr-ft ² -°F	
Maximum Service Temperature, Air	316 °C	600 °F	
Shrinkage	0.50 %	0.50 %	

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+14 ohm-cm	1.00e+14 ohm-cm	
Dielectric Strength	19.7 kV/mm	500 kV/in	

Processing Properties	Metric	English	Comments
	240 min	4.00 hour	

Cure Time
Processing Properties

Metric
@ Temperature 121 °C

English
@ Temperature 250 °F

Comments

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