

Cotronics 454B Machinable Non-Sag Putty Adhesive

Category : Polymer , Thermoset , Epoxy

Material Notes:

Order this product through the following link:

http://www.lookpolymers.com/polymer_Cotronics-454B-Machinable-Non-Sag-Putty-Adhesive.php

Physical Properties	Metric	English	Comments
Density	1.90 g/cc	0.0686 lb/in ³	
Moisture Absorption at Equilibrium	0.20 %	0.20 %	
Viscosity	100000 cP	100000 cP	

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	80	80	
Tensile Strength, Ultimate	68.9 MPa	10000 psi	
Elongation at Break	1.2 %	1.2 %	

Thermal Properties	Metric	English	Comments
CTE, linear	80.0 $\mu\text{m}/\text{m}\cdot\text{°C}$	44.4 $\mu\text{in}/\text{in}\cdot\text{°F}$	
	@Temperature 20.0 °C	@Temperature 68.0 °F	
Thermal Conductivity	5.04 W/m-K	35.0 BTU-in/hr-ft ² -°F	
Maximum Service Temperature, Air	232 °C	450 °F	
Shrinkage	0.20 %	0.20 %	

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+10 ohm-cm	1.00e+10 ohm-cm	
Dielectric Strength	17.7 kV/mm	450 kV/in	

Processing Properties	Metric	English	Comments
Cure Time	30.0 min	0.500 hour	
	@Temperature 121 °C	@Temperature 250 °F	

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