

CoorsTek Epoxy Seal 923 (ES-923) B-staged epoxy lids

Category : Polymer , Thermoset , Epoxy

Material Notes:

ES-923 is designed for applications requiring a rapid epoxy cure cycle (10 minutes at 160° C). This accelerated seal cycle results in only a modest reduction in moisture resistance and seal strength from the ES-216 epoxy.

Order this product through the following link:

http://www.lookpolymers.com/polymer_CoorsTek-Epoxy-Seal-923-ES-923-B-staged-epoxy-lids.php

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	90	90	
Shear Strength	17.9 MPa	2600 psi	Lap Shear; ASTM D1002

Thermal Properties	Metric	English	Comments
CTE, linear	50.0 $\mu\text{m}/\text{m}\cdot^{\circ}\text{C}$	27.8 $\mu\text{in}/\text{in}\cdot^{\circ}\text{F}$	MIL STD 883D
Thermal Conductivity	0.500 W/m-K	3.47 BTU-in/hr-ft ² -°F	MIL STD 883D
Maximum Service Temperature, Air	180 °C	356 °F	Continuous
	220 °C	428 °F	Intermittent

Processing Properties	Metric	English	Comments
Cure Time	10.00 min	0.1667 hour	
	@Temperature 160 °C	@Temperature 320 °F	

Descriptive Properties	Value	Comments
Color	Yellow	
Gross Leak	Pass	
Moisture Resistance	Pass, 144 hrs. @ 121° C & 100% RH	
	Pass, 200 hrs. @ 85° C & 85% RH	
Temperature Cycling	Pass	MIL STD 883D
Thermal Shock Resistance (°C)	Pass	MIL STD 883D

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