

CoorsTek Epoxy Seal 216 (ES-216) B-staged epoxy lids

Category : Polymer , Thermoset , Epoxy

Material Notes:

ES-216 is available for applications where high strength and moisture resistance are required. It displays fillet formation characteristics and, after cure, is highly temperature and moisture resistant. Optimal properties are obtained with a cure cycle of two hours at 160° C.

Order this product through the following link:

http://www.lookpolymers.com/polymer_CoorsTek-Epoxy-Seal-216-ES-216-B-staged-epoxy-lids.php

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	90	90	
Shear Strength	19.3 MPa	2800 psi	Lap Shear; ASTM D1002

Thermal Properties	Metric	English	Comments
CTE, linear	50.0 $\mu\text{m}/\text{m}\cdot\text{C}$	27.8 $\mu\text{in}/\text{in}\cdot\text{F}$	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	185 °C	365 °F	Continuous
	225 °C	437 °F	Intermittent

Processing Properties	Metric	English	Comments
Cure Time	120 min	2.00 hour	
	@Temperature 160 °C	@Temperature 320 °F	

Descriptive Properties	Value	Comments
Color	Clear	
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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