

Epoxyset Epoxibond EB-119M Unfilled Epoxy Adhesive

Category : Polymer , Adhesive , Thermoset , Epoxy , Epoxy Adhesive

Material Notes:

A two-component, unfilled, low viscosity, high temperature epoxy adhesive used for bonding and small potting applications in the medical, electronics, and aerospace industries. Information provided by Epoxyset Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Epoxyset-Epoxibond-EB-119M-Unfilled-Epoxy-Adhesive.php

Physical Properties	Metric	English	Comments
Density	1.14 g/cc	0.0412 lb/in ³	
Viscosity	800 - 1200 cP	800 - 1200 cP	

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	91	91	ASTM D2240
Adhesive Bond Strength	15.2 MPa	2200 psi	Lap Shear Strength

Thermal Properties	Metric	English	Comments
CTE, linear	$\geq 50.0 \mu\text{m/m-}^{\circ}\text{C}$	$\geq 27.8 \mu\text{in/in-}^{\circ}\text{F}$	
Maximum Service Temperature, Air	230 °C	446 °F	
Minimum Service Temperature, Air	-55.0 °C	-67.0 °F	
Glass Transition Temp, Tg	$\geq 130 \text{ }^{\circ}\text{C}$	$\geq 266 \text{ }^{\circ}\text{F}$	

Optical Properties	Metric	English	Comments
Refractive Index	1.57	1.57	

Processing Properties	Metric	English	Comments
Cure Time	30.0 min	0.500 hour	
	@Temperature 150 °C	@Temperature 302 °F	
	60.0 min	1.00 hour	
	@Temperature 100 °C	@Temperature 212 °F	
Pot Life	$\geq 360 \text{ min}$	$\geq 360 \text{ min}$	

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