

Epoxyset Epoxibond EB-109M-4 Unfilled Epoxy Adhesive

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

Material Notes:

A two-component, unfilled, flexible epoxy adhesive used for bonding and small potting applications in the medical, electronics, and aerospace industries. EB-109M-4 puts low stress on fragile parts and is flexible for crack resistance where some rigid epoxies may not work. Information provided by Epoxyset Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Epoxyset-Epoxibond-EB-109M-4-Unfilled-Epoxy-Adhesive.php

Physical Properties	Metric	English	Comments
Density	1.16 g/cc	0.0419 lb/in ³	
Viscosity	300 - 600 cP	300 - 600 cP	

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	70	70	ASTM D2240
Adhesive Bond Strength	9.65 MPa	1400 psi	Lap Shear Strength

Thermal Properties	Metric	English	Comments
CTE, linear	70.0 $\mu\text{m}/\text{m}\cdot\text{°C}$	38.9 $\mu\text{in}/\text{in}\cdot\text{°F}$	
Maximum Service Temperature, Air	105 °C	221 °F	
Minimum Service Temperature, Air	-40.0 °C	-40.0 °F	
Glass Transition Temp, Tg	45.0 °C	113 °F	

Optical Properties	Metric	English	Comments
Refractive Index	1.54	1.54	

Processing Properties	Metric	English	Comments
Cure Time	180 min	3.00 hour	
	@Temperature 65.0 °C	@Temperature 149 °F	
Pot Life	1440 min	24.0 hour	
	@Temperature 25.0 °C	@Temperature 77.0 °F	

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