

Epoxyset Epoxibond EB-347 Low Expansion Epoxy Adhesive

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

Material Notes:

EB-347 is a highly filled, low coefficient expansion, epoxy adhesive. This low out-gassing adhesive exhibits excellent wettability without preheating metal bonding surfaces and has a good dimensional stability and excellent chemical resistance. Information provided by Epoxyset Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Epoxyset-Epoxibond-EB-347-Low-Expansion-Epoxy-Adhesive.php

Physical Properties	Metric	English	Comments
Density	1.86 g/cc	0.0672 lb/in ³	
Water Absorption	0.20 %	0.20 %	
Viscosity	45000 cP	45000 cP	

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	92	92	ASTM D2240
Adhesive Bond Strength	15.9 MPa	2300 psi	Lap Shear Strength

Thermal Properties	Metric	English	Comments
CTE, linear	25.0 $\mu\text{m}/\text{m}\cdot^{\circ}\text{C}$	13.9 $\mu\text{in}/\text{in}\cdot^{\circ}\text{F}$	
Maximum Service Temperature, Air	130 $^{\circ}\text{C}$	266 $^{\circ}\text{F}$	
Minimum Service Temperature, Air	-55.0 $^{\circ}\text{C}$	-67.0 $^{\circ}\text{F}$	
Glass Transition Temp, Tg	84.0 $^{\circ}\text{C}$	183 $^{\circ}\text{F}$	

Processing Properties	Metric	English	Comments
Cure Time	120 min	2.00 hour	
	@Temperature 93.0 $^{\circ}\text{C}$	@Temperature 199 $^{\circ}\text{F}$	
Pot Life	1440 min	24.0 hour	
	@Temperature 25.0 $^{\circ}\text{C}$	@Temperature 77.0 $^{\circ}\text{F}$	

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