

Epoxyset Epoxibond EB-301 Low Expansion Epoxy Adhesive

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

Material Notes:

EB-301 is a highly filled, low 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-301-Low-Expansion-Epoxy-Adhesive.php

Physical Properties	Metric	English	Comments
Density	1.80 g/cc	0.0650 lb/in ³	
Water Absorption	0.10 %	0.10 %	

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	91	91	ASTM D2240
Adhesive Bond Strength	13.8 MPa	2000 psi	Lap Shear Strength

Thermal Properties	Metric	English	Comments
CTE, linear	32.0 $\mu\text{m}/\text{m}\cdot\text{°C}$	17.8 $\mu\text{in}/\text{in}\cdot\text{°F}$	
Maximum Service Temperature, Air	120 °C	248 °F	
Minimum Service Temperature, Air	-55.0 °C	-67.0 °F	
Glass Transition Temp, Tg	80.0 °C	176 °F	

Processing Properties	Metric	English	Comments
Cure Time	120 min	2.00 hour	
	@Temperature 100 °C	@Temperature 212 °F	
Pot Life	1440 min	24.0 hour	
	@Temperature 25.0 °C	@Temperature 77.0 °F	
Pot Life	60 min	60 min	

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