

Epoxyset Epoxibond EB-135 Unfilled Epoxy Adhesive

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

Material Notes:

A two-component, unfilled epoxy adhesive used for bonding and small potting applications in the medical, electronics, and aerospace industries. EB-135 has excellent bond strength to various substrates including most metals, ceramics, glass, wood, and some plastics. Information provided by Epoxyset Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Epoxyset-Epoxibond-EB-135-Unfilled-Epoxy-Adhesive.php

Physical Properties	Metric	English	Comments
Density	1.16 g/cc	0.0419 lb/in ³	
Viscosity	4000 - 7000 cP	4000 - 7000 cP	

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	88	88	ASTM D2240
Adhesive Bond Strength	>= 20.7 MPa	>= 3000 psi	Lap Shear Strength

Thermal Properties	Metric	English	Comments
CTE, linear	>= 50.0 $\mu\text{m}/\text{m}\cdot\text{C}$	>= 27.8 $\mu\text{in}/\text{in}\cdot\text{F}$	
Maximum Service Temperature, Air	120 °C	248 °F	
Minimum Service Temperature, Air	-55.0 °C	-67.0 °F	
Glass Transition Temp, Tg	68.0 °C	154 °F	

Optical Properties	Metric	English	Comments
Refractive Index	1.53	1.53	

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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