

Abatron AboWeld 8708-5 One-Component Structural/Dielectric Epoxy

Category : Polymer , Adhesive , Thermoset , Epoxy , Epoxy, Cast, Unreinforced , Epoxy, Thermally Conductive

Material Notes:

AboWeld 8708-5 is a highly filled, class H (180°C) structural, heat-conductive adhesive paste for SLOW high-temperature curing.

Suggested Uses: Structural bonding; Casting; Potting; Encapsulating; Embedding applications where 2-component systems are not practical; Appliances; Radiators; Electronic components; Medical equipment; Excellent bond to metals, ceramics, glass; Assembly; Patching; Filling; Resurfacing; Insulation.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Abatron-AboWeld-8708-5-One-Component-StructuralDielectric-Epoxy.php

Physical Properties	Metric	English	Comments
Density	1.80 g/cc	0.0649 lb/in ³	
Viscosity	1500 cP	1500 cP	
	@Temperature 100 °C	@Temperature 212 °F	
	180000 cP	180000 cP	
	@Temperature 25.0 °C	@Temperature 77.0 °F	

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	>= 70	>= 70	
	@Temperature 120 °C	@Temperature 248 °F	
	90	90	
	@Temperature 25.0 °C	@Temperature 77.0 °F	

Thermal Properties	Metric	English	Comments
CTE, linear	33.0 µm/m-°C	18.3 µin/in-°F	
	@Temperature -50.0 - 50.0 °C	@Temperature -58.0 - 122 °F	
Thermal Conductivity	0.761 W/m-K	5.28 BTU-in/hr-ft ² -°F	

Electrical Properties	Metric	English	Comments
Dielectric Strength	>= 15.7 kV/mm	>= 400 kV/in	

Processing Properties	Metric	English	Comments
Cure Time	60.0 - 120 min	1.00 - 2.00 hour	
	@Temperature 180 °C	@Temperature 356 °F	

Processing Properties	Metric 160 min	English 00 hour	Comments
	@Temperature 150 °C	@Temperature 302 °F	
Shelf Life	<= 12.0 Month	<= 12.0 Month	

Descriptive Properties	Value	Comments
Color	Black	
Hardening Time (min)	210	150°C
	40	180°C

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