

Abatron AboCast 8708-10 One-Component Structural/Dielectric Epoxy

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

Material Notes:

AboCast 8708-10 is a highly filled, class H (180°C) structural, castable adhesive compound for FAST 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-AboCast-8708-10-One-Component-StructuralDielectric-Epoxy.php

Physical Properties	Metric	English	Comments
Density	1.44 g/cc	0.0519 lb/in ³	
Viscosity	120 cP	120 cP	
	@Temperature 100 °C	@Temperature 212 °F	
	20000 cP	20000 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	39.0 µm/m-°C	21.7 µin/in-°F	
	@Temperature -50.0 - 50.0 °C	@Temperature -58.0 - 122 °F	
Thermal Conductivity	0.623 W/m-K	4.32 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	20.0 min	0.333 hour	
	@Temperature 180 °C	@Temperature 356 °F	

Processing Properties	Metric ⁱⁿ	English ^{our}	Comments
	@Temperature 150 °C	@Temperature 302 °F	
	120 - 180 min	2.00 - 3.00 hour	
	@Temperature 121 °C	@Temperature 250 °F	
Shelf Life	<= 5.00 Month	<= 5.00 Month	

Descriptive Properties	Value	Comments
Color	Black	
Hardening Time (min)	3	180°C
	6	150°C
	60	121°C

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