

Abatron AboCast/AboCure 50-7/8501-4 High Temperature Resistant Epoxy

Category : Polymer , Thermoset , Epoxy , Epoxy, Cast, Unreinforced , Epoxy, High Temperature

Material Notes:

Clear amber, high viscosity, structural/dielectric epoxy with high temperature resistance. Suggested Uses: Casting, bonding, potting, encapsulation of electric, structural and industrial components to be used at temperatures up to 300°C. Casting and assembly of tools, patterns, models and structural components that must operate in extremely hot and corrosive environments. Processing: 100/89 ratio (pbw). Cured 2 hours at 95°C + 24 hour post-cure at 260°C. Information provided by Abatron.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Abatron-AboCastAboCure-50-78501-4-High-Temperature-Resistant-Epoxy.php

Physical Properties	Metric	English	Comments
Viscosity	150 cP	150 cP	
	@Temperature 80.0 °C	@Temperature 176 °F	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	49.0 MPa	7100 psi	Lower curing cycle, lower heat resistance
Flexural Strength	101 MPa	14600 psi	Lower curing cycle, lower heat resistance
Compressive Strength	256 MPa	37100 psi	Lower curing cycle, lower heat resistance

Thermal Properties	Metric	English	Comments
Thermal Conductivity	0.167 - 0.201 W/m-K	1.16 - 1.39 BTU-in/hr-ft ² -°F	
Maximum Service Temperature, Air	298 °C	568 °F	

Processing Properties	Metric	English	Comments
Pot Life	120 min	120 min	
	@Temperature 80.0 °C	@Temperature 176 °F	

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