

Abatron AboCast 8-13/Abocure 8-13 Epoxy (discontinued **)

Category : Polymer , Thermoset , Epoxy

Material Notes:

2-part, clear, solvent-free dielectric epoxy casting compound. Processing: 100/12.80 ratio (pbw); Gel time, 100 g (3.5 oz.): 53 minutes; cures in 16 hours at 25°C (77°F); postcure: 2 hours at 100°C (212°F). Applications: solventless casting, adhesive, and coating.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Abatron-AboCast-8-13Abocure-8-13-Epoxy-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Water Absorption	0.14 %	0.14 %	in 24 hours.
Viscosity Measurement	400	400	

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	88	88	
Tensile Strength, Ultimate	62.05 MPa	9000 psi	
Elongation at Break	1.8 %	1.8 %	
Modulus of Elasticity	3.172 GPa	460.1 ksi	
Flexural Yield Strength	133.76 MPa	19400 psi	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	77.0 °C	171 °F	Deflection temperature; load unknown.

Electrical Properties	Metric	English	Comments
Electrical Resistivity	1.70e+10 ohm-cm	1.70e+10 ohm-cm	
	@Temperature 93.3 °C	@Temperature 200 °F	
	7.40e+12 ohm-cm	7.40e+12 ohm-cm	
	@Temperature 65.6 °C	@Temperature 150 °F	
	6.90e+13 ohm-cm	6.90e+13 ohm-cm	
	@Temperature 25.0 °C	@Temperature 77.0 °F	
Dielectric Constant	3.79	3.79	
	@Frequency 1e+6 Hz	@Frequency 1e+6 Hz	
Dissipation Factor	0.010	0.010	

Electrical Properties	@Frequency 1e+6 Hz Metric	@Frequency 1e+6 Hz English	Comments
Processing Properties	Metric	English	Comments
Processing Temperature	25.0 °C	77.0 °F	Curing time: 16 hours; Postcure: 2 hours/100°C (212°F)

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