

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

Category : Polymer , Thermoset , Epoxy

Material Notes:

2-part solvent-free dielectric epoxy casting compound. Processing: 100/50 ratio (pbw); Gel time, 1 lb. (2.2 kg): 135 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-8-8Abocure-8-8-Epoxy-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Water Absorption	0.27 %	0.27 %	in 24 hours.
Viscosity Measurement	470	470	

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	80	80	
Tensile Strength, Ultimate	39.3 MPa	5700 psi	
Elongation at Break	8.0 %	8.0 %	
Flexural Strength	59.98 MPa	8699 psi	
Izod Impact, Notched	0.363 J/cm	0.680 ft-lb/in	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	50.0 °C	122 °F	Deflection temperature; load unknown.

Electrical Properties	Metric	English	Comments
Electrical Resistivity	<= 1.00e+9 ohm-cm	<= 1.00e+9 ohm-cm	
	@Temperature 93.3 °C	@Temperature 200 °F	
	5.20e+10 ohm-cm	5.20e+10 ohm-cm	
	@Temperature 65.6 °C	@Temperature 150 °F	
	8.80e+14 ohm-cm	8.80e+14 ohm-cm	
	@Temperature 25.0 °C	@Temperature 77.0 °F	
Dielectric Constant	3.54	3.54	
	@Frequency 1e+6 Hz	@Frequency 1e+6 Hz	
Dissipation Factor	0.012	0.012	

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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