

Abatron AboCast 8-2/Abocure 8-2 Epoxy (discontinued **)

Category : Polymer , Thermoset , Epoxy

Material Notes:

2-part solvent-free dielectric epoxy casting compound. Processing: 100/50 ratio (pbw); Gel time, 100 g (3.5 oz.): 265 minutes; cures in 3 weeks at 25°C (77°F). Applications: solventless casting, adhesive, and coating.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Abatron-AboCast-8-2Abocure-8-2-Epoxy-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Water Absorption	0.21 %	0.21 %	in 24 hours.
Viscosity Measurement	1600	1600	

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	82	82	
Tensile Strength, Ultimate	62.05 MPa	9000 psi	
Elongation at Break	4.0 %	4.0 %	
Flexural Strength	102.04 MPa	14800 psi	
Izod Impact, Notched	0.272 J/cm	0.510 ft-lb/in	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	62.0 °C	144 °F	Deflection temperature; load unknown.

Electrical Properties	Metric	English	Comments
Electrical Resistivity	5.00e+11 ohm-cm	5.00e+11 ohm-cm	
	@Temperature 93.3 °C	@Temperature 200 °F	
	1.00e+13 ohm-cm	1.00e+13 ohm-cm	
	@Temperature 65.6 °C	@Temperature 150 °F	
	3.00e+15 ohm-cm	3.00e+15 ohm-cm	
	@Temperature 25.0 °C	@Temperature 77.0 °F	
Dielectric Constant	3.41	3.41	
	@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: 3 weeks

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