

Abatron AboCast 8-18/Abocure 8-18 Epoxy (discontinued **)

Category : Polymer , Thermoset , Epoxy

Material Notes:

2-part, clear, solvent-free dielectric epoxy casting compound. Processing: 100/32.00 ratio (pbw); Gel time, 100 g (3.5 oz.): 120 minutes; cures in 2 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-8-18Abocure-8-18-Epoxy-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Water Absorption	0.19 %	0.19 %	in 24 hours.
Viscosity Measurement	700	700	

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	82	82	
Tensile Strength, Ultimate	42.75 MPa	6200 psi	
Elongation at Break	2.4 %	2.4 %	
Modulus of Elasticity	3.172 GPa	460.1 ksi	
Flexural Yield Strength	78.6 MPa	11400 psi	
Compressive Yield Strength	73.08 MPa	10600 psi	
Izod Impact, Notched	0.200 J/cm	0.375 ft-lb/in	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	82.0 °C	180 °F	Deflection temperature; load unknown.

Electrical Properties	Metric	English	Comments
Electrical Resistivity	2.30e+9 ohm-cm	2.30e+9 ohm-cm	
	@Temperature 93.3 °C	@Temperature 200 °F	
	1.40e+11 ohm-cm	1.40e+11 ohm-cm	
	@Temperature 65.6 °C	@Temperature 150 °F	
	1.30e+15 ohm-cm	1.30e+15 ohm-cm	
	@Temperature 25.0 °C	@Temperature 77.0 °F	
Dielectric Constant	3.81	3.81	

Electrical Properties	@Frequency 1e+6 Hz Metric	@Frequency 1e+6 Hz English	Comments
Dissipation Factor	0.010	0.010	
	@Frequency 1e+6 Hz	@Frequency 1e+6 Hz	

Processing Properties	Metric	English	Comments
Processing Temperature	25.0 °C	77.0 °F	Curing time: 2 weeks

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