

Abatron AboCast 8-16/Abocure 8-16 Epoxy (discontinued **)

Category : Polymer , Thermoset , Epoxy

Material Notes:

2-part, clear, solvent-free dielectric epoxy casting compound. Processing: 100/35.00 ratio (pbw); Gel time, 100 g (3.5 oz.): 57 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-8-16Abocure-8-16-Epoxy-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Water Absorption	0.17 %	0.17 %	in 24 hours.
Viscosity Measurement	4000	4000	

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	86	86	
Tensile Strength, Ultimate	61.36 MPa	8900 psi	
Elongation at Break	2.5 %	2.5 %	
Modulus of Elasticity	3.309 GPa	479.9 ksi	
Flexural Yield Strength	110.32 MPa	16001 psi	
Compressive Yield Strength	91.01 MPa	13200 psi	
Izod Impact, Notched	0.234 J/cm	0.438 ft-lb/in	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	86.0 °C	187 °F	Deflection temperature; load unknown.

Electrical Properties	Metric	English	Comments
Electrical Resistivity	2.00e+11 ohm-cm	2.00e+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	
	1.00e+15 ohm-cm	1.00e+15 ohm-cm	
	@Temperature 25.0 °C	@Temperature 77.0 °F	
Dielectric Constant	3.97	3.97	

Electrical Properties	@Frequency 1e+6 Hz Metric	@Frequency 1e+6 Hz English	Comments
Dissipation Factor	0.020	0.020	
	@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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