

Abatron AboCast 8-15/Abocure 8-15 Epoxy (discontinued **)

Category : Polymer , Thermoset , Epoxy

Material Notes:

2-part, clear, solvent-free dielectric epoxy casting compound. Processing: 100/11.80 ratio (pbw); Gel time, 100 g (3.5 oz.): 70 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-8-15Abocure-8-15-Epoxy-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Water Absorption	0.15 %	0.15 %	in 24 hours.
Viscosity Measurement	400.01	400.01	

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	86	86	
Tensile Strength, Ultimate	50.33 MPa	7300 psi	
Elongation at Break	5.8 %	5.8 %	
Modulus of Elasticity	2.965 GPa	430.0 ksi	
Flexural Yield Strength	121.35 MPa	17600 psi	
Izod Impact, Notched	0.235 J/cm	0.440 ft-lb/in	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	79.0 °C	174 °F	Deflection temperature; load unknown.

Electrical Properties	Metric	English	Comments
Electrical Resistivity	2.40e+11 ohm-cm	2.40e+11 ohm-cm	
	@Temperature 93.3 °C	@Temperature 200 °F	
	1.50e+13 ohm-cm	1.50e+13 ohm-cm	
	@Temperature 65.6 °C	@Temperature 150 °F	
	5.90e+13 ohm-cm	5.90e+13 ohm-cm	
	@Temperature 25.0 °C	@Temperature 77.0 °F	
Dielectric Constant	3.84	3.84	
	@Frequency 1e+6 Hz	@Frequency 1e+6 Hz	

Electrical Properties	0.030 Metric	0.030 English	Comments
	@Frequency 1e+6 Hz	@Frequency 1e+6 Hz	

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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