

Abatron AboCast 8-19/Abocure 8-19 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-8-19Abocure-8-19-Epoxy-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Water Absorption	0.22 %	0.22 %	in 24 hours.
Viscosity Measurement	700	700	

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	82	82	
Tensile Strength, Ultimate	39.99 MPa	5800 psi	
Elongation at Break	6.5 %	6.5 %	
Modulus of Elasticity	2.206 GPa	320.0 ksi	
Flexural Yield Strength	57.23 MPa	8301 psi	
Compressive Yield Strength	70.33 MPa	10200 psi	
Izod Impact, Notched	0.246 J/cm	0.461 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	9.00e+9 ohm-cm	9.00e+9 ohm-cm	
	@Temperature 93.3 °C	@Temperature 200 °F	
	1.00e+11 ohm-cm	1.00e+11 ohm-cm	
	@Temperature 65.6 °C	@Temperature 150 °F	
	5.00e+15 ohm-cm	5.00e+15 ohm-cm	
	@Temperature 25.0 °C	@Temperature 77.0 °F	
Dielectric Constant	3.07	3.07	

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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