

Abatron AboCast 50-16/AboCure 50-1 Epoxy

Category : Polymer , Adhesive , Thermoset , Epoxy

Material Notes:

Information provided by Abatron, Inc. Processing: Shelf life: 12+ months (unmixed). 100/35 ratio. Pot life: 500 g, 380 min. at 25°C (77°F). Exothermic Peak 154°C (310°F). Hardens in 2-24 hours at RT (faster with heat). Full cure in 1-5 weeks at RT or 1-4 hrs at 80-120°C (175-250°F).

Order this product through the following link:

http://www.lookpolymers.com/polymer_Abatron-AboCast-50-16AboCure-50-1-Epoxy.php

Physical Properties	Metric	English	Comments
Viscosity Measurement	700	700	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell M	70	70	
Tensile Strength, Ultimate	47.09 MPa	6830 psi	
Elongation at Break	9.1 %	9.1 %	
Flexural Yield Strength	64.8 MPa	9400 psi	
Flexural Modulus	1.96 GPa	284 ksi	
Compressive Yield Strength	63.36 MPa	9190 psi	
Compressive Modulus	1.65 GPa	239 ksi	
Izod Impact, Notched	0.342 J/cm	0.641 ft-lb/in	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	58.0 °C	136 °F	Deflection temperature; load unknown.

Electrical Properties	Metric	English	Comments
Electrical Resistivity	3.43e+15 ohm-cm	3.43e+15 ohm-cm	
Surface Resistance	4.71e+15 ohm	4.71e+15 ohm	
Dielectric Constant	2.92	2.92	
	@Frequency 1e+6 Hz	@Frequency 1e+6 Hz	
	3.12	3.12	
	@Frequency 1000 Hz	@Frequency 1000 Hz	

Electrical Properties	Metric	English	Comments
	@Frequency 60 Hz	@Frequency 60 Hz	
Dissipation Factor	0.0089	0.0089	
	@Frequency 1000 Hz	@Frequency 1000 Hz	
	0.010	0.010	
	@Frequency 60 Hz	@Frequency 60 Hz	
	0.018	0.018	
	@Frequency 1e+6 Hz	@Frequency 1e+6 Hz	

Processing Properties	Metric	English	Comments
Pot Life	380 min	380 min	500 g

Descriptive Properties	Value	Comments
Exotherm	154°C	Peak

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China