

Abatron AboCast 50-6/AboCure 50-12 Epoxy

Category : Polymer , Adhesive , Thermoset , Epoxy

Material Notes:

Data provided by the manufacturer, Abatron, Inc. Very low-viscosity; Colorless. Shelf life is 12+ months.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Abatron-AboCast-50-6AboCure-50-12-Epoxy.php

Physical Properties	Metric	English	Comments
Viscosity	1.0 cP	1.0 cP	50-12 water-like viscosity
	4000 - 6000 cP	4000 - 6000 cP	50-6
	900 cP	900 cP	at 100/14 (50-6/50-12) pbw
	@Temperature 25.0 °C	@Temperature 77.0 °F	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell M	107	107	
Tensile Strength, Ultimate	66.32 MPa	9619 psi	
Elongation at Break	4.4 %	4.4 %	
Flexural Yield Strength	107.49 MPa	15590 psi	
Flexural Modulus	2.785 GPa	403.9 ksi	
Compressive Yield Strength	109.21 MPa	15840 psi	
Compressive Modulus	1.81 GPa	263 ksi	
Izod Impact, Notched	0.267 J/cm	0.500 ft-lb/in	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	107 °C	225 °F	Deflection temperature; load unknown.

Electrical Properties	Metric	English	Comments
Electrical Resistivity	1.29e+16 ohm-cm	1.29e+16 ohm-cm	
Surface Resistance	7.85e+14 ohm	7.85e+14 ohm	
Dielectric Constant	3.27	3.27	
	@Frequency 1e+6 Hz	@Frequency 1e+6 Hz	
	3.86	3.86	

Electrical Properties	Metric	English	Comments
	3.98	3.98	
	@Frequency 60 Hz	@Frequency 60 Hz	
Dissipation Factor	0.010	0.010	
	@Frequency 60 Hz	@Frequency 60 Hz	
	0.027	0.027	
	@Frequency 1000 Hz	@Frequency 1000 Hz	
	0.031	0.031	
	@Frequency 1e+6 Hz	@Frequency 1e+6 Hz	

Processing Properties	Metric	English	Comments
Pot Life	43 min	43 min	500 g

Descriptive Properties	Value	Comments
Exotherm	283°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