

Abatron AboCast 50-3/AboCure 50-12 Epoxy

Category : Polymer , Adhesive , Thermoset , Epoxy

Material Notes:

Data provided by the manufacturer, Abatron, Inc. Light motor oil viscosity, almost colorless. Shelf life is 12+ months.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Abatron-AboCast-50-3AboCure-50-12-Epoxy.php

Physical Properties	Metric	English	Comments
Viscosity	1.0 cP	1.0 cP	50-12 water-like viscosity
	11000 - 14000 cP	11000 - 14000 cP	50-3
	2250 cP	2250 cP	at 100/13 (50-3/50-12) pbw
	@Temperature 25.0 °C	@Temperature 77.0 °F	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell M	106	106	
Tensile Strength, Ultimate	78.6 MPa	11400 psi	
Elongation at Break	4.4 %	4.4 %	
Flexural Yield Strength	95.83 MPa	13900 psi	
Flexural Modulus	3.00 GPa	435 ksi	
Compressive Yield Strength	112.38 MPa	16299 psi	
Compressive Modulus	3.03 GPa	440 ksi	
Izod Impact, Notched	0.267 J/cm	0.500 ft-lb/in	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	111 °C	232 °F	Deflection temperature; load unknown.

Electrical Properties	Metric	English	Comments
Electrical Resistivity	6.10e+15 ohm-cm	6.10e+15 ohm-cm	
Surface Resistance	7.85e+15 ohm	7.85e+15 ohm	
Dielectric Constant	3.42	3.42	
	@Frequency 1e+6 Hz	@Frequency 1e+6 Hz	
	3.9	3.9	

Electrical Properties	Metric	English	Comments
	4.02	4.02	
	@Frequency 60 Hz	@Frequency 60 Hz	
Dissipation Factor	0.0074	0.0074	
	@Frequency 60 Hz	@Frequency 60 Hz	
	0.020	0.020	
	@Frequency 1000 Hz	@Frequency 1000 Hz	
	0.032	0.032	
	@Frequency 1e+6 Hz	@Frequency 1e+6 Hz	

Processing Properties	Metric	English	Comments
Pot Life	30 min	30 min	500 g

Descriptive Properties	Value	Comments
Exotherm	255°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