

Abatron AboCast 8103-23 High-Performance Dielectric Epoxy

Category : Polymer , Thermoset , Epoxy , Epoxy, Cast, Unreinforced

Material Notes:

AboCast 8103-23 is a dielectric in/outdoor epoxy system with superior arc-track resistance, high voltage and heat resistance, low ash and ion content, and it is chlorine-free. This system has a combination of high elongation and electric properties.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Abatron-AboCast-8103-23-High-Performance-Dielectric-Epoxy.php

Physical Properties	Metric	English	Comments
Density	0.947 g/cc	0.0342 lb/in ³	Part B
	1.17 g/cc	0.0424 lb/in ³	Part A

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	7.58 MPa	1100 psi	
Elongation at Break	140 %	140 %	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	<= 25.0 °C	<= 77.0 °F	Deflection Temp at unknown load

Electrical Properties	Metric	English	Comments
Volume Resistivity	2.00e+15 ohm-cm	2.00e+15 ohm-cm	
Dielectric Constant	4.2	4.2	
	@Frequency 60.0 Hz, Temperature 23.0 °C	@Frequency 60.0 Hz, Temperature 73.4 °F	
	4.3	4.3	
	@Frequency 60.0 Hz, Temperature 150 °C	@Frequency 60.0 Hz, Temperature 302 °F	
Dissipation Factor	4.9	4.9	
	@Frequency 60.0 Hz, Temperature 100 °C	@Frequency 60.0 Hz, Temperature 212 °F	
	0.030	0.030	
	@Frequency 60.0 Hz, Temperature 23.0 °C	@Frequency 60.0 Hz, Temperature 73.4 °F	
Dissipation Factor	0.040	0.040	
	@Frequency 60.0 Hz, Temperature 100 °C	@Frequency 60.0 Hz, Temperature 212 °F	

Electrical Properties	Metric	English	Comments
	@Frequency 60.0 Hz, Temperature 150 °C	@Frequency 60.0 Hz, Temperature 302 °F	
Arc Resistance	>= 150 sec	>= 150 sec	

Processing Properties	Metric	English	Comments
Cure Time	120 - 180 min	2.00 - 3.00 hour	
	@Temperature 100 °C	@Temperature 212 °F	
	60.0 - 240 min	1.00 - 4.00 hour	optional
	@Temperature 120 - 160 °C	@Temperature 248 - 320 °F	
Pot Life	30 min	30 min	
	@Temperature 80.0 °C	@Temperature 176 °F	
	>= 480 min	>= 480 min	
	@Temperature 25.0 °C	@Temperature 77.0 °F	

Descriptive Properties	Value	Comments
Arc-Track Free (min)	> 1500	2.5 KV
Color	Clear	
Parts by Weight (pbw)	100	Part A
	112	Part B
Thermal Shock Resistance	Scale 0 (poor) to 10 (excellent)	

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