

Abatron AboCast 8110-1/AboCure 8110-2 Flexible Epoxy

Category : Polymer , Adhesive , Thermoset , Epoxy , Epoxy Adhesive, Flexible

Material Notes:

This epoxy system can achieve flexibility and plasticity without sacrificing adhesive, electrical, structural, and other properties. This compound is a clear (unfilled) basic formulation. Its applications include: bonding, laminating, casting, embedding, electrical potting, impregnating, coating, etc. It can be supplied in several variations to modify viscosity, reaction rate, color, most physical and chemical properties, and with many fillers to meet most requirements.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Abatron-AboCast-8110-1AboCure-8110-2-Flexible-Epoxy.php

Physical Properties	Metric	English	Comments
Water Absorption	7.4 %	7.4 %	immersion; cured 30 days @ 25°C
	@Time 2.59e+6 sec	@Time 720 hour	
	7.5 %	7.5 %	immersion; cured 7 days @ 25°C
	@Time 2.59e+6 sec	@Time 720 hour	
Viscosity	2440 cP	2440 cP	

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	63	63	cured 7 days @ 25°C
	@Temperature 75.0 °C	@Temperature 167 °F	
	64	64	cured 7 days @ 25°C
	@Temperature 25.0 °C	@Temperature 77.0 °F	
	66	66	cured 30 days @ 25°C
	@Temperature 25.0 °C	@Temperature 77.0 °F	
	67	67	cured 30 days @ 25°C
	@Temperature 75.0 °C	@Temperature 167 °F	
Hardness, Shore D	40	40	cured 30 days @ 25°C
	@Temperature 0.000 °C	@Temperature 32.0 °F	
	53	53	cured 7 days @ 25°C
	@Temperature 0.000 °C	@Temperature 32.0 °F	
	82	82	cured 30 days @ 25°C
	@Temperature -60.0 °C	@Temperature -76.0 °F	
	83	83	

Mechanical Properties	Metric	English	Comments
	@ Temperature -60.0 °C	@ Temperature -76.0 °F	cured 7 days @ 25°C
Tensile Strength, Ultimate	0.827 MPa	120 psi	cured 30 days @ 25°C
	0.965 MPa	140 psi	cured 7 days @ 25°C
Elongation at Break	24 %	24 %	cured 30 days @ 25°C
	30 %	30 %	cured 7 days @ 25°C

Electrical Properties	Metric	English	Comments
Volume Resistivity	6.00e+7 ohm-cm	6.00e+7 ohm-cm	cured 30 days @ 25°C
	@Temperature 100 °C	@Temperature 212 °F	
	1.00e+8 ohm-cm	1.00e+8 ohm-cm	cured 7 days @ 25°C
	@Temperature 100 °C	@Temperature 212 °F	
	4.00e+8 ohm-cm	4.00e+8 ohm-cm	cured 30 days @ 25°C
	@Temperature 25.0 °C	@Temperature 77.0 °F	
	9.00e+10 ohm-cm	9.00e+10 ohm-cm	cured 7 days @ 25°C
	@Temperature 25.0 °C	@Temperature 77.0 °F	

Processing Properties	Metric	English	Comments
Pot Life	180 min	180 min	200 g
	@Temperature 25.0 °C	@Temperature 77.0 °F	

Descriptive Properties	Value	Comments
Parts by Weight (pbw)	10	AboCure 8110-2
	100	AboCast 8110-1

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