

Abatron AboCast/AboCure 8110-3 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-AboCastAboCure-8110-3-Flexible-Epoxy.php

Physical Properties	Metric	English	Comments
Water Absorption	4.5 %	4.5 %	immersion; cured 30 days @ 25°C
	@Time 2.59e+6 sec	@Time 720 hour	
	4.5 %	4.5 %	immersion; cured 90 days @ 25°C
	@Time 2.59e+6 sec	@Time 720 hour	
	4.9 %	4.9 %	boil; cured 2 hours @ 93°C
	@Time 7200 sec	@Time 2.00 hour	
	5.3 %	5.3 %	immersion; cured 7 days @ 25°C
	@Time 2.59e+6 sec	@Time 720 hour	
Viscosity	1270 cP	1270 cP	

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	40	40	cured 2 hrs. @ 93°C
	@Temperature 75.0 °C	@Temperature 167 °F	
	47	47	cured 7 days @ 25°C
	@Temperature 75.0 °C	@Temperature 167 °F	
	80	80	cured 2 hrs. @ 93°C
	@Temperature 25.0 °C	@Temperature 77.0 °F	
	86	86	cured 7 days @ 25°C
	@Temperature 25.0 °C	@Temperature 77.0 °F	
	98	98	cured 7 days @ 25°C
	@Temperature 0.000 °C	@Temperature 32.0 °F	
	80	80	

Hardness, Shore D Mechanical Properties	Metric @ Temperature 0.000 °C	English @ Temperature 32.0 °F	cured 2 hrs. @ 93°C Comments
	85 @Temperature -60.0 °C	85 @Temperature -76.0 °F	cured 7 days @ 25°C
	85 @Temperature -60.0 °C	85 @Temperature -76.0 °F	cured 2 hrs. @ 93°C
Tensile Strength, Ultimate	1.69 MPa	245 psi	cured 7 days @ 25°C
	1.69 MPa	245 psi	cured 30 days @ 25°C
	1.79 MPa	260 psi	cured 90 days @ 25°C
	1.90 MPa	275 psi	cured 2 hours @ 93°C
Elongation at Break	130 %	130 %	cured 90 days @ 25°C
	140 %	140 %	cured 7 days @ 25°C
	145 %	145 %	cured 30 days @ 25°C
	160 %	160 %	cured 2 hours @ 93°C
Shear Strength	4.48 MPa @Temperature 0.000 °C	650 psi @Temperature 32.0 °F	Tensile, Al/Al lap joint; cured 7 days @ 25°C
	5.52 MPa @Temperature 25.0 °C	800 psi @Temperature 77.0 °F	Tensile, Al/Al lap joint; cured 2 hours @ 93°C
	7.24 MPa @Temperature 25.0 °C	1050 psi @Temperature 77.0 °F	Tensile, Al/Al lap joint; cured 90 days @ 25°C
	7.31 MPa @Temperature 25.0 °C	1060 psi @Temperature 77.0 °F	Tensile, Al/Al lap joint; cured 30 days @ 25°C

Electrical Properties	Metric	English	Comments
Volume Resistivity	2.70e+9 ohm-cm @Temperature 25.0 °C	2.70e+9 ohm-cm @Temperature 77.0 °F	cured 2 hours @ 93°C
	1.40e+10 ohm-cm @Temperature 25.0 °C	1.40e+10 ohm-cm @Temperature 77.0 °F	cured 30 days @ 25°C
	4.80e+10 ohm-cm @Temperature 25.0 °C	4.80e+10 ohm-cm @Temperature 77.0 °F	cured 7 days @ 25°C
	6.40e+10 ohm-cm	6.40e+10 ohm-cm	cured 90 days @ 25°C

Electrical Properties	@Temperature 25.0 °C Metric	@Temperature 77.0 °F English	Comments
Processing Properties	Metric	English	Comments
Pot Life	35 min	35 min	200 g
	@Temperature 25.0 °C	@Temperature 77.0 °F	

Descriptive Properties	Value	Comments
Parts by Weight (pbw)	100	AboCast 8110-3
	11	AboCure 8110-3

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