

Abatron AboCast 8110-8/AboCure 8110-1 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-8110-8AboCure-8110-1-Flexible-Epoxy.php

Physical Properties	Metric	English	Comments
Water Absorption	5.8 %	5.8 %	boil; cured 2 hours @ 93°C
	@Time 7200 sec	@Time 2.00 hour	
Viscosity	2460 cP	2460 cP	

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	70	70	cured 2 hrs. @ 93°C
	@Temperature 75.0 °C	@Temperature 167 °F	
Hardness, Shore D	60	60	cured 2 hrs. @ 93°C
	@Temperature 25.0 °C	@Temperature 77.0 °F	
	80	80	cured 2 hrs. @ 93°C
	@Temperature 0.000 °C	@Temperature 32.0 °F	
	86	86	cured 2 hrs. @ 93°C
	@Temperature -60.0 °C	@Temperature -76.0 °F	
Tensile Strength, Ultimate	1.48 MPa	215 psi	cured 2 hours @ 93°C
	9.963 MPa	1445 psi	
Elongation at Break	62 %	62 %	cured 8 hours @ 93°C
	117 %	117 %	
Shear Strength	6.69 MPa	970 psi	Tensile, Al/Al lap joint; cured 2 hours @ 93°C
	@Temperature 75.0 °C	@Temperature 167 °F	
	15.7 MPa	2280 psi	Tensile, Al/Al lap joint; cured 2 hours @ 93°C
	@Temperature 25.0 °C	@Temperature 77.0 °F	
	27.4 MPa	3980 psi	

Mechanical Properties	Metric	English	Comments
	@ Temperature 0.000 °C	@ Temperature 32.0 °F	Tensile, Al/Al lap joint; cured 2 hours @ 93 °C

Electrical Properties	Metric	English	Comments
Volume Resistivity	3.40e+7 ohm-cm	3.40e+7 ohm-cm	cured 2 hours @ 93°C
	@Temperature 150 °C	@Temperature 302 °F	
	6.60e+7 ohm-cm	6.60e+7 ohm-cm	cured 2 hours @ 93°C
	@Temperature 100 °C	@Temperature 212 °F	
	7.40e+7 ohm-cm	7.40e+7 ohm-cm	cured 2 hours @ 93°C
	@Temperature 112 °C	@Temperature 234 °F	
	1.50e+11 ohm-cm	1.50e+11 ohm-cm	cured 2 hours @ 93°C
	@Temperature 25.0 °C	@Temperature 77.0 °F	

Processing Properties	Metric	English	Comments
Pot Life	52 min	52 min	200 g
	@Temperature 25.0 °C	@Temperature 77.0 °F	
Gel Time	13.0 min	13.0 min	10 g
	@Temperature 93.0 °C	@Temperature 199 °F	

Descriptive Properties	Value	Comments
Parts by Weight (pbw)	100	AboCast 8110-8
	7.4	AboCure 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