

## Abatron AboCast 8110-4/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-AboCast-8110-4AboCure-8110-3-Flexible-Epoxy.php](http://www.lookpolymers.com/polymer_Abatron-AboCast-8110-4AboCure-8110-3-Flexible-Epoxy.php)

Physical Properties	Metric	English	Comments
Water Absorption	3.1 %	3.1 %	boil; cured 2 hours @ 93°C
	@Time 7200 sec	@Time 2.00 hour	
	5.0 %	5.0 %	immersion; cured 30 days @ 25°C
	@Time 2.59e+6 sec	@Time 720 hour	
5.0 %	5.0 %	immersion; cured 90 days @ 25°C	
@Time 2.59e+6 sec	@Time 720 hour		
	5.2 %	5.2 %	immersion; cured 7 days @ 25°C
	@Time 2.59e+6 sec	@Time 720 hour	
Viscosity	1120 cP	1120 cP	

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	15	15	cured 2 hrs. @ 93°C
	@Temperature 75.0 °C	@Temperature 167 °F	
	45	45	cured 7 days @ 25°C
	@Temperature 75.0 °C	@Temperature 167 °F	
	55	55	cured 2 hrs. @ 93°C
	@Temperature 25.0 °C	@Temperature 77.0 °F	
	94	94	cured 7 days @ 25°C
	@Temperature 25.0 °C	@Temperature 77.0 °F	
Hardness, Shore D	76	76	cured 7 days @ 25°C
	@Temperature 0.000 °C	@Temperature 32.0 °F	
	85	85	

Mechanical Properties	Metric @Temperature 0.000 °C	English @Temperature 32.0 °F	Comments cured 2 hrs. @ 93°C
	86 @Temperature -60.0 °C	86 @Temperature -76.0 °F	cured 2 hrs. @ 93°C
	89 @Temperature -60.0 °C	89 @Temperature -76.0 °F	cured 7 days @ 25°C
Tensile Strength, Ultimate	2.14 MPa	310 psi	cured 30 days @ 25°C
	2.28 MPa	330 psi	cured 7 days @ 25°C
	2.72 MPa	395 psi	cured 90 days @ 25°C
	3.21 MPa	465 psi	cured 2 hours @ 93°C
Elongation at Break	165 %	165 %	cured 2 hours @ 93°C
	170 %	170 %	cured 7 days @ 25°C
	170 %	170 %	cured 30 days @ 25°C
Shear Strength	6.62 MPa @Temperature 0.000 °C	960 psi @Temperature 32.0 °F	Tensile, Al/Al lap joint; cured 7 days @ 25°C
	6.69 MPa @Temperature 25.0 °C	970 psi @Temperature 77.0 °F	Tensile, Al/Al lap joint; cured 30 days @ 25°C
	8.96 MPa @Temperature 25.0 °C	1300 psi @Temperature 77.0 °F	Tensile, Al/Al lap joint; cured 90 days @ 25°C
	8.998 MPa @Temperature 25.0 °C	1305 psi @Temperature 77.0 °F	Tensile, Al/Al lap joint; cured 2 hours @ 93°C

Electrical Properties	Metric	English	Comments
Volume Resistivity	2.70e+10 ohm-cm @Temperature 25.0 °C	2.70e+10 ohm-cm @Temperature 77.0 °F	cured 30 days @ 25°C
	4.20e+10 ohm-cm @Temperature 25.0 °C	4.20e+10 ohm-cm @Temperature 77.0 °F	cured 90 days @ 25°C
	6.90e+10 ohm-cm @Temperature 25.0 °C	6.90e+10 ohm-cm @Temperature 77.0 °F	cured 2 hours @ 93°C
	9.20e+10 ohm-cm @Temperature 25.0 °C	9.20e+10 ohm-cm @Temperature 77.0 °F	cured 7 days @ 25°C

Processing Properties	Metric	English	Comments
Pot Life	30 min @Temperature 25.0 °C	30 min @Temperature 77.0 °F	200 g

Descriptive Properties	Value	Comments
Parts by Weight (pbw)	100	AboCast 8110-4
	11.5	AboCure 8110-3

## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China