

## Abatron AboCast 8110-5/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-8110-5AboCure-8110-1-Flexible-Epoxy.php](http://www.lookpolymers.com/polymer_Abatron-AboCast-8110-5AboCure-8110-1-Flexible-Epoxy.php)

Physical Properties	Metric	English	Comments
Water Absorption	2.3 %	2.3 %	boil; cured 2 hours @ 93°C
	@Time 7200 sec	@Time 2.00 hour	
Viscosity	1650 cP	1650 cP	

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	76	76	cured 2 hrs. @ 93°C
	@Temperature 75.0 °C	@Temperature 167 °F	
	85	85	cured 2 hrs. @ 93°C
	@Temperature 25.0 °C	@Temperature 77.0 °F	
87	@Temperature 0.000 °C	@Temperature 32.0 °F	cured 2 hrs. @ 93°C
@Temperature -60.0 °C	@Temperature -76.0 °F		
Tensile Strength, Ultimate	68.64 MPa	9955 psi	cured 2 hours @ 93°C
	72.19 MPa	10470 psi	
Elongation at Break	6.4 %	6.4 %	cured 8 hours @ 93°C
	9.8 %	9.8 %	
Shear Strength	23.2 MPa	3370 psi	Tensile, Al/Al lap joint; cured 2 hours @ 93°C
	@Temperature 75.0 °C	@Temperature 167 °F	
25.2 MPa	@Temperature 0.000 °C	@Temperature 32.0 °F	Tensile, Al/Al lap joint; cured 2 hours @ 93°C

Mechanical Properties	Metric	English	Comments
	@Temperature 25.0 °C	@Temperature 77.0 °F	Tensile, AI/AI lap joint; cured 2 hours @ 93°C

Electrical Properties	Metric	English	Comments
Volume Resistivity	2.00e+9 ohm-cm @Temperature 150 °C	2.00e+9 ohm-cm @Temperature 302 °F	cured 2 hours @ 93°C
	3.20e+9 ohm-cm @Temperature 112 °C	3.20e+9 ohm-cm @Temperature 234 °F	cured 2 hours @ 93°C
	4.10e+10 ohm-cm @Temperature 100 °C	4.10e+10 ohm-cm @Temperature 212 °F	cured 2 hours @ 93°C
	1.80e+16 ohm-cm @Temperature 25.0 °C	1.80e+16 ohm-cm @Temperature 77.0 °F	cured 2 hours @ 93°C

Processing Properties	Metric	English	Comments
Pot Life	19 min @Temperature 25.0 °C	19 min @Temperature 77.0 °F	200 g
Gel Time	2.00 min @Temperature 93.0 °C	2.00 min @Temperature 199 °F	10 g

Descriptive Properties	Value	Comments
Parts by Weight (pbw)	100	AboCast 8110-5
	11.6	AboCure 8110-1

## Contact Songhan Plastic Technology Co.,Ltd.

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