

## Abatron AboCast 8110-9/AboCure 50-1 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-8110-9AboCure-50-1-Flexible-Epoxy.php](http://www.lookpolymers.com/polymer_Abatron-AboCast-8110-9AboCure-50-1-Flexible-Epoxy.php)

Physical Properties	Metric	English	Comments
Water Absorption	2.4 %	2.4 %	immersion; cured 3 hours @ 100°C
	@Time 2.59e+6 sec	@Time 720 hour	
Viscosity	2650 cP	2650 cP	

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	80	80	cured 2 hrs. @ 93°C
	@Temperature 25.0 °C	@Temperature 77.0 °F	
	86	86	cured 2 hrs. @ 93°C
	@Temperature 0.000 °C	@Temperature 32.0 °F	
	90	90	cured 2 hrs. @ 93°C
	@Temperature -60.0 °C	@Temperature -76.0 °F	
Tensile Strength, Ultimate	41.7 MPa	6050 psi	cured 2 hours @ 93°C
	61.4 MPa	8900 psi	cured 8 hours @ 93°C
Elongation at Break	14 %	14 %	cured 8 hours @ 93°C
	21 %	21 %	cured 2 hours @ 93°C

Electrical Properties	Metric	English	Comments
Volume Resistivity	2.50e+13 ohm-cm	2.50e+13 ohm-cm	cured 2 hours @ 93°C
	@Temperature 100 °C	@Temperature 212 °F	
	4.80e+15 ohm-cm	4.80e+15 ohm-cm	cured 2 hours @ 93°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)	100	AboCast 8110-9
	43	AboCure 50-1

**Contact Songhan Plastic Technology Co.,Ltd.**

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