

Abatron AboCast/AboCure 8006-11 Epoxy

Category : Polymer , Thermoset , Epoxy , Epoxy, Cast, Unreinforced

Material Notes:

AboCast/AboCure 8006-11 is a clear dielectric casting, adhesive, and encapsulating compound. It is a 2-component, radiation-resistant, low-viscosity plasticized epoxy system. It is virtually unaffected by atmospheric conditions, soft and salt water, alkalis and diluted acids, several solvents, detergents, oils, and greases. Control of final properties by changing the AboCast/AboCure ratios: the highest rigidity, hardness, chemical and heat resistance are offered by a 100/40 ratio. Higher AboCure ratios (up to 100/100 AboCast/AboCure) yield increasing flexibility, shock and thermocycling resistance, and adhesion to problem surfaces. It has tenacious adhesion to metals, ceramics, wood, fiberglass, masonry, and most materials, to form permanent structural and dielectric bonds. Radiation resistance recommends the 8006-11 System in X-ray and other radioactive environments. Other Suggested Uses: Bonding or laminating substrates, plates lead bricks and other components in radioactive equipment; Dielectric encapsulation and potting of electronic components, especially where high thermocycling and shock resistance are needed; Shrink-free embedments and preparations of specimens for display or analytical purposes; General purpose adhesion, casting, and impregnation.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Abatron-AboCastAboCure-8006-11-Epoxy.php

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	55	55	AboCast/AboCure ratio: 100/100 pbw
	36	36	AboCast/AboCure ratio: 100/100 pbw
	@Time 10.0 sec	@Time 0.00278 hour	
Hardness, Shore D	18	18	AboCast/AboCure ratio: 100/100 pbw
	50	50	AboCast/AboCure ratio: 100/80 pbw
	78	78	AboCast/AboCure ratio: 100/40 pbw
	6.0	6.0	AboCast/AboCure ratio: 100/100 pbw
	@Time 10.0 sec	@Time 0.00278 hour	
	30	30	AboCast/AboCure ratio: 100/80 pbw
	@Time 10.0 sec	@Time 0.00278 hour	
Tensile Strength at Break	29.9 MPa	4330 psi	
Flexural Strength	63.4 MPa	9200 psi	
Compressive Strength	185 MPa	26900 psi	
Izod Impact, Notched	0.294 J/cm	0.550 ft-lb/in	

Processing Properties	Metric	English	Comments
	60.0 - 240 min	1.00 - 4.00 hour	

Processing Properties	Metric	English	Comments
	@Temperature 80.0 - 120 °C	@Temperature 176 - 248 °F	
	10080 - 30240 min	168.0 - 504.0 hour	(1-3 weeks)
	@Temperature 20.0 °C	@Temperature 68.0 °F	
Pot Life	20 min	20 min	
	@Temperature 60.0 °C	@Temperature 140 °F	
	120 min	120 min	
	@Temperature 20.0 - 25.0 °C	@Temperature 68.0 - 77.0 °F	

Descriptive Properties	Value	Comments
Hardening Time (min)	180-1440	
Parts by Weight (pbw)	100	AboCast
	40-100	AboCure

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