

Abatron AboCast 8504-1 One-Component Epoxy

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

Material Notes:

AboCast 8504-1 is a clear, all-purpose one-component epoxy system, with an optimum balance of properties for most casting, adhesive, impregnation, and coating applications.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Abatron-AboCast-8504-1-One-Component-Epoxy.php

Physical Properties	Metric	English	Comments
Viscosity	12000 cP	12000 cP	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell M	115	115	
Tensile Strength at Break	29.0 MPa	4200 psi	
Elongation at Break	1.1 %	1.1 %	
Flexural Strength	82.7 MPa	12000 psi	
Flexural Modulus	2.76 GPa	400 ksi	
Compressive Strength	215 MPa	31200 psi	

Thermal Properties	Metric	English	Comments
Thermal Conductivity	0.167 - 0.201 W/m-K	1.16 - 1.39 BTU-in/hr-ft ² -°F	
Maximum Service Temperature, Air	168 °C	334 °F	Deflection Temp at unknown load

Electrical Properties	Metric	English	Comments
Volume Resistivity	9.63e+15 ohm-cm	9.63e+15 ohm-cm	"A"
	1.22e+16 ohm-cm	1.22e+16 ohm-cm	C 96/23/96
Surface Resistance	>= 7.85e+15 ohm	>= 7.85e+15 ohm	Cond. A
	>= 7.85e+15 ohm	>= 7.85e+15 ohm	C 96/23/96
Dielectric Constant	3.15	3.15	A
	@Frequency 1.00e+6 Hz	@Frequency 1.00e+6 Hz	
	3.36	3.36	A

Electrical Properties	@Frequency 60.0 Hz Metric	@Frequency 60.0 Hz English	Comments
Processing Properties	Metric	English	Comments
Cure Time	60.0 - 120 min	1.00 - 2.00 hour	
	@Temperature 150 - 160 °C	@Temperature 302 - 320 °F	
	60.0 - 240 min	1.00 - 4.00 hour	optional
	@Temperature 160 - 180 °C	@Temperature 320 - 356 °F	
Pot Life	200 min	200 min	
	@Temperature 100 °C	@Temperature 212 °F	
Shelf Life	5.00 - 8.00 Month	5.00 - 8.00 Month	

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