

Abatron AboCast 22-30/AboCure 50-4 Epoxy

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

Material Notes:

AboCast 22-30 is a black filled resin with high viscosity and a weight of 12.4 lbs/gallon. AboCure 50-4 is clear, slow converter with a variable ratio, low viscosity, and a weight of 8 lbs/gallon. AboCast 22-30/AboCure 50-4 is a slow, thick, filled, black, opaque, room-temperature-cure, medium-viscosity epoxy system. It is the preferred system for most casting applications. It offers good thermal conductivity, minimum shrinkage, and low exotherm (heat of reaction). AboCure 50-4 can be mixed in ratios variable from 16 to 50 pbw with 100 pbw AboCast 22-30 for different cured properties: higher rigidity, chemical and heat resistance with the lower AboCure ratios (16-20 pbw), or higher flexibility with higher ratios. The converter offers the lower exotherm that permits unusually heat-sensitive or large castings. The system is used for encapsulation, potting, and assembly of electronic and magnetic components, such as: capacitors, transformers, terminals, industrial magnets, small and large magnetic assemblies, metal detectors, metal separators, magnetic printing cylinders, magnetic holders, insulators, junction boxes, switches, and circuit boards. It is also used in general-purpose casting and bonding for structural and dielectric applications.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Abatron-AboCast-22-30AboCure-50-4-Epoxy.php

Physical Properties	Metric	English	Comments
Density	0.959 g/cc	0.0346 lb/in ³	AboCure 50-4
	1.49 g/cc	0.0537 lb/in ³	AboCast 22-30
Water Absorption	0.19 %	0.19 %	
	@Time 605000 sec	@Time 168 hour	
Viscosity	18600 cP	18600 cP	

Mechanical Properties	Metric	English	Comments
Compressive Strength	92.4 MPa	13400 psi	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	100 °C	212 °F	Deflection Temp at unknown load

Electrical Properties	Metric	English	Comments
Volume Resistivity	8.10e+15 ohm-cm	8.10e+15 ohm-cm	"A"

Processing Properties	Metric	English	Comments
Pot Life	120 - 180 min	120 - 180 min	

Descriptive Properties	Value	Comments
Color	Black	
Parts by Weight (pbw)	100	AboCast 22-30
	25	AboCure 50-4

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