

Abatron AboCast 50-11/AboCure 50-4 Epoxy

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

Material Notes:

AboCast 50-11 is a clear unfilled resin with low viscosity and a weight of 9.5 lbs/gallon. AboCure 50-4 is clear, slow converter with a variable ratio, low viscosity, and a weight of 8 lbs/gallon. AboCast 50-11/AboCure 50-4 is slow, thin, clear, room-temperature-cure epoxy system. It is characterized by the low viscosity and transparency of the AboCast component, and the variable-ratio possibilities of AboCure 50-4. This system offers the very low exotherm that is ideal for rigid and transparent encapsulation of heat sensitive components.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Abatron-AboCast-50-11AboCure-50-4-Epoxy.php

Physical Properties	Metric	English	Comments
Density	0.959 g/cc	0.0346 lb/in ³	AboCure 50-4
	1.14 g/cc	0.0411 lb/in ³	AboCast 50-11
Water Absorption	0.22 %	0.22 %	
	@Time 605000 sec	@Time 168 hour	
Viscosity	1900 cP	1900 cP	

Mechanical Properties	Metric	English	Comments
Compressive Strength	77.2 MPa	11200 psi	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	91.0 °C	196 °F	Deflection Temp at unknown load

Optical Properties	Metric	English	Comments
Transmission, Visible	90 %	90 %	transparent; thickness not quantified

Electrical Properties	Metric	English	Comments
Volume Resistivity	6.30e+14 ohm-cm	6.30e+14 ohm-cm	"A"

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

Descriptive Properties	Value	Comments
Color	Clear Amber	
Parts by Weight (pbw)	100	AboCast 50-11

Descriptive Properties	Value	Comments
	50	Abocast 50-4

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