

Abatron AboCast 8503-3/AboCure 8503-3 Colorless Epoxy

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

Material Notes:

AboCast 8503-3/AboCure 8503-3 is a general purpose, medium speed, colorless epoxy casting compound with low viscosity. It has a good balance of properties with a fairly fast hardening. Suggested Uses: Transparent Casting, Embedding, Encapsulation, Potting, and Bonding. Casting display or experimental models without the high shrinkage of acrylic or other resins. Precise reproduction of anatomical or scientific models. Embedding organic, geologic, or metallurgic specimens. Encapsulation of electric, radioactive, or delicate components. Preservation or repair of artistic and historical objects. High-performance transparent table tops.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Abatron-AboCast-8503-3AboCure-8503-3-Colorless-Epoxy.php

Physical Properties	Metric	English	Comments
Viscosity	800 cP	800 cP	

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	84	84	
Tensile Strength at Break	54.5 MPa	7900 psi	
Elongation at Break	16 %	16 %	
Flexural Strength	71.0 MPa	10300 psi	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	51.0 °C	124 °F	Deflection Temp at unknown load

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

Processing Properties	Metric	English	Comments
Pot Life	45 min @Temperature 25.0 °C	45 min @Temperature 77.0 °F	500 g

Descriptive Properties	Value	Comments
Hardening Time (min)	60-600	
Parts by Weight (pbw)	100	AboCast
	60	AboCure

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