

Abatron AboCast 45-10/AboCure 45-10 Adhesive/Casting

Category : Polymer , Adhesive , Thermoset

Material Notes:

Information provided by Abatron, Inc. Adheres to metal, glass, ceramics, wood, masonry, etc. Material properties are based on a 2/1 mix ratio. Resin is white, curing agent is black. Gray blend allows for visual inspection of proper mixing and ratios. Shelf life: 12+ months (unmixed). Processing: 100/(40-80) ratio. Pot life: 100 g, 25-35 min. at 25°C (77°F). Hardens in 2-3 hours at 25°C (77°F), 4-6 min. at 80°C (175°F), 2 min. at 120°C (250°F), 18 sec to 1 min. at 150°C (300°F). Corrosion Resistance: good resistance to atmospheric conditions, soft and salt water, alkalis and diluted acids.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Abatron-AboCast-45-10AboCure-45-10-AdhesiveCasting.php

Physical Properties	Metric	English	Comments
Water Absorption	0.20 %	0.20 %	after 24 hrs.
Viscosity Measurement	170	170	
	@Temperature 25.0 - 27.0 °C	@Temperature 77.0 - 80.6 °F	

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	80	80	100/40 pbw; 68 at 100/80 pbw; 66 (60 after 10 sec) at 100/100 pbw
Tensile Strength, Ultimate	51.0 MPa	7400 psi	Typical averaged test results for Abatron Adhesive/Casting Resins.
Elongation at Break	3.0 %	3.0 %	Typical averaged test results for Abatron Adhesive/Casting Resins.
Flexural Yield Strength	83.0 MPa	12000 psi	Typical averaged test results for Abatron Adhesive/Casting Resins.
Compressive Yield Strength	115 MPa	16700 psi	Typical averaged test results for Abatron Adhesive/Casting Resins.

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