

Abatron BronzeWeld-PH™ Bronze-Filled, Structural Adhesive Putty; High Temperature Paste

Category : Polymer , Adhesive , Thermoset , Epoxy , Epoxy, Cast, Metal Filled

Material Notes:

BronzeWeld-PH™ is BronzeWeld-P™ for up to 320° F (160° C) under stress. Used when it must resist up to 320° F in operation. Superior resistance to strong solvents and other chemicals. Technical Characteristics: A: 15 lbs/gal; B: 9.8 lbs/gal; mixing ratios: A/B: 100/8.3 pbw (100/12.6 pbv); pot life: 5-8 hours; bronze color; Requires heat cure: 1-12 hours at 176-302° F (80-150° C). The Mastershop compounds are versatile, high-impact and wear resistant, and permanent. Good adhesion to metals, ceramics, glass, wood, fiberglass, masonry, and most rigid materials. Dimensionally stable and shrink-free. Almost unlimited shelf-life. Unaffected by atmospheric conditions, salt and fresh water, alkalis, diluted acids, many solvents, oils, and greases. Withstand temperatures up to 100° C (212° F) or 160° C for the "H" versions. Cured material is easy to machine with standard tools. Can be applied in any thickness. Ample working time.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Abatron-BronzeWeld-PH-Bronze-Filled-Structural-Adhesive-Putty-High-Temperature-Paste.php

Physical Properties	Metric	English	Comments
Density	1.17 g/cc	0.0424 lb/in ³	Part B
	1.80 g/cc	0.0649 lb/in ³	Part A

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	83 - 87	83 - 87	
Tensile Strength at Break	3.45 - 41.4 MPa	500 - 6000 psi	
Flexural Strength	3.45 - 48.3 MPa	500 - 7000 psi	
Compressive Strength	62.1 - 89.6 MPa	9000 - 13000 psi	
Shear Strength	17.2 - 20.7 MPa	2500 - 3000 psi	Adhesive

Processing Properties	Metric	English	Comments
Cure Time	60.0 - 720 min	1.00 - 12.0 hour	
	@Temperature 80.0 - 150 °C	@Temperature 176 - 302 °F	
Pot Life	300 - 480 min	300 - 480 min	

Descriptive Properties	Value	Comments
Color	Bronze	
Parts by Weight (pbw)	100	Part A

Descriptive Properties	8 3 Value	Part B Comments
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