

Abatron AboWeld/AboCure 7812-2 Thixotropic Epoxy

Category : Polymer , Adhesive , Thermoset , Epoxy , Epoxy Adhesive

Material Notes:

AboWeld/AboCure 7812-2 is an underwater and cold-weather structural and dielectric adhesive paste. It is a 2-component thixotropic epoxy compound for dry, wet, and cold applications. It has many special characteristics: Lighter Consistency is not just for easy cold mixing, but for the blending with sand, fibers, steel-wool, cloth, bags and other help skin-divers prefer; Fast Reaction Speed compensates for freezing weather slow reactivity, as needed in most underwater applications; the Induction Period normal epoxies require is eliminated to facilitate proper reaction in adverse conditions; where needed, a Pressure-Relief Pipe Section can be inserted through a 7812-2 patch to keep water flowing while the 6712-2 hardens, and then later the pipe can be capped or stuffed with a plug + 7812-2, etc. Suggested Uses: Structural ? Patching, Bonding, Resurfacing, and Filling on virtually all rigid surfaces like concrete, masonry, metal, ceramics, glass, fiberglass, in factories, in industrial, construction and marine applications, under water and under snow, as well as in normal conditions. It can be used alone or mixed with sand, fabric, fibers, steel-wool and other fillers to repair, bond, resurface or fill above and below water, in warm or freezing weather for the widest range of applications. Dielectric ? Embedding, Encapsulating, Insulating, Patching, and Bonding of the greatest variety of electric/electronic components for exterior and interior exposure, corrosive, and other problem environments.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Abatron-AboWeldAboCure-7812-2-Thixotropic-Epoxy.php

Physical Properties	Metric	English	Comments
Solids Content	100 %	100 %	

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	>= 80	>= 80	
Tensile Strength at Break	35.2 MPa	5100 psi	
Flexural Strength	57.2 MPa	8300 psi	
Flexural Modulus	1.45 GPa	210 ksi	
Compressive Strength	92.4 MPa	13400 psi	
Compressive Modulus	1.86 GPa	270 ksi	
Izod Impact, Notched	0.214 J/cm	0.400 ft-lb/in	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	70.0 °C	158 °F	Deflection Temp at unknown load

Processing Properties	Metric	English	Comments
Pot Life	12 - 14 min	12 - 14 min	
Shelf Life			

Processing Properties	<small>>= 12.0 Month</small> Metric	<small>>= 12.0 Month</small> English	Comments
Descriptive Properties	Value		Comments
Color	Light Gray		
Hardening Time (min)	6-240		depending on temp.
Viscosity	thixotropic, no-slump paste		

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