

Abatron Epotron 5 Clear Liquid Epoxy Adhesive for Structural Bonding

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

Material Notes:

Epotron 5 is a clear liquid epoxy adhesive for structural bonding. It is recommended for high-strength, permanent bonding of metal, ceramic, glass, laminates, and most rigid materials. Features: High Compressive Strength; High Tensile Strength; High Impact Resistance; Contains no VOC's or Water; Hardens Slowly; Variable Ratio; Bonds to Virtually All Rigid Surfaces; Structural; Transparent Liquid; and 2-Component. Benefits: Tenacious Adhesion; Safe and Easy to Use; Permanent; Multiple Uses. Epotron 5 is used for bonding, laminating, and repairing virtually all rigid surfaces such as wood, stone, concrete, masonry, metal, ceramics, glass, wood, and fiberglass. It is used for repairs in factories, warehouses, office buildings, homes, and shops, both indoors and outdoors. Epotron 5 can be applied in any thickness needed, and it fully resists shrinkage. It can be applied with a brush, applicator bottle, trowel, or squeegee.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Abatron-Epotron-5-Clear-Liquid-Epoxy-Adhesive-for-Structural-Bonding.php

Physical Properties	Metric	English	Comments
Density	1.08 g/cc	0.0390 lb/in ³	
Volatiles	0.00 %	0.00 %	EPA method #24
Viscosity	180 cP	180 cP	ASTM-D562

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	57.2 MPa	8300 psi	ASTM-D638
Elongation at Break	4.8 %	4.8 %	ASTM-D638
Flexural Strength	65.8 MPa	9550 psi	ASTM-D790
Compressive Strength	85.15 MPa	12350 psi	ASTM-D695
Adhesive Bond Strength	10.89 MPa	1579 psi	ASTM-D4541

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	230 °C	446 °F	ASTM-D2485

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

Processing Properties	Metric	English	Comments
Cure Time	5760 - 7200 min	96.0 - 120 hour	(4-5 Days)
Shelf Life	24.0 Month	24.0 Month	

Descriptive Properties	Value	Comments
Impact Resistance	80	ASTM-D4226
Induction Period (min)	5 to 10	
Parts by Weight (pbw)	100	Part A Resin
	35-100	Part B Hardener
Tack-free Time (min)	240	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China