

Loctite® Durabond® E-20HP Epoxy Adhesive

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

Material Notes:

Epoxy Adhesives Loctite offers a complete line of one-part and two-part epoxy and urethane adhesives for structural bonding, potting and encapsulating. The Loctite® Durabond® line contains 14 application-specific products designed to outperform the competition in all aspects: better adhesion, better flow, less odor, improved clarity, higher strength, and greater durability. All two-part Durabond® Structural Adhesives are packaged in easy-to-use, side-by-side cartridges for use with our manual dispensers and mix nozzles. Loctite® E-20HP High strength, toughened, high peel, high shear Durabond® Epoxy Adhesive A high strength epoxy with a 20-minute worklife. Off-white, toughened. High peel, high shear. Mix Ratio by Volume, Resin:Hardener = 2:1 Bonding Type: Epoxy

Order this product through the following link:

http://www.lookpolymers.com/polymer_Loctite-Durabond-E-20HP-Epoxy-Adhesive.php

Physical Properties	Metric	English	Comments
Viscosity	65000 cP	65000 cP	Mixed - medium; Resin - 65,000 cP; Hardener - 7,000 cP

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	80	80	
Adhesive Bond Strength	20.7 - 34.5 MPa	3000 - 5000 psi	Varies with substrates
Peel Strength	3.51 - 12.3 kN/m	20.0 - 70.0 pli	Varies with substrates.

Thermal Properties	Metric	English	Comments
Glass Transition Temp, Tg	60.0 °C	140 °F	

Electrical Properties	Metric	English	Comments
Dielectric Strength	19.7 kV/mm	500 kV/in	Test run on 1/8" specimens.

Processing Properties	Metric	English	Comments
Pot Life	20 min	20 min	

Descriptive Properties	Value	Comments
Color	Off-white	

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