

Loctite® Durabond® U-05FL Urethane Adhesive

Category : Polymer , Adhesive , Thermoset , Polyurethane, TS , Thermoset Polyurethane, Adhesive

Material Notes:

Urethane 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® U-05FL Metal bonder, highly flexible, high peel, high shear Durabond® Urethane Adhesive A two-part, high-performance urethane adhesive for metal bonding with a 5-minute worklife. Off-white, highly flexible, impact resistant, high peel, high shear. Mix Ratio by Volume, Resin:Hardener = 1:2 Bonding Type: Urethane

Order this product through the following link:

http://www.lookpolymers.com/polymer_Loctite-Durabond-U-05FL-Urethane-Adhesive.php

Physical Properties	Metric	English	Comments
Viscosity	640 cP	640 cP	Mixed - low; Resin - 640 cP; Hardener - 35,000 cP

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	45	45	
Adhesive Bond Strength	6.89 - 20.7 MPa	1000 - 3000 psi	Varies with substrates
Peel Strength	0.877 - 5.26 kN/m	5.00 - 30.0 pli	Varies with substrates.

Thermal Properties	Metric	English	Comments
Glass Transition Temp, Tg	48.0 °C	118 °F	

Electrical Properties	Metric	English	Comments
Dielectric Strength	15.7 kV/mm	400 kV/in	Test run on 1/8" specimens.

Processing Properties	Metric	English	Comments
Pot Life	5.0 min	5.0 min	

Descriptive Properties	Value	Comments
Color	Off-white	

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