

Palm Labs Adhesives Turbo Fuse Series 140 (200 Viscosity) Rapid Bonding Adhesive

Category : Polymer , Adhesive , Thermoset , Acrylic/Cyanoacrylate Adhesive

Material Notes:

Palm Lab's Cyanoacrylate is a one component rapid bonding adhesive. TURBO FUSE SERIES 140 advanced formula is designed to polymerize instantly by absorbing surface moisture. The product's performance has been tested with a variety of materials, and is recommended for a multitude of applications. The fast curing qualities make it especially desirable in high speed industrial production. TURBO FUSE SERIES 140 is ideal for use in applications that require an easily handled medium viscosity adhesive. Because of the 200 viscosity, it works especially well in close to medium fitting applications such as unfinished metal to metal bonding, metal to rubber, and rubber to rubber, such as "O" ring repair/manufacture. This product is a very good, easy to handle general purpose adhesive. Part Numbers for this data: 04-140, 10-140, 15-140, 20-140, 25-140, 30-140, 35-140 Soluble in Acetone, MEK, Amide, Methylene Chloride Information provided by Palm Laboratories Adhesives

Order this product through the following link:

http://www.lookpolymers.com/polymer_Palm-Labs-Adhesives-Turbo-Fuse-Series-140-200-Viscosity-Rapid-Bonding-Adhesive.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.05 g/cc	1.05 g/cc	Liquid State
Viscosity	180 - 220 cP	180 - 220 cP	Liquid State

Mechanical Properties	Metric	English	Comments
Hardness, Barcol	65	65	Cured State
Shear Strength	17.2 MPa	2500 psi	Tensile, (Cured State)

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	82.2 °C	180 °F	Cured State
Softening Point	149 °C	300 °F	Cured State
Minimum Service Temperature, Air	-53.9 °C	-65.0 °F	Cured State
Flash Point	76.7 - 93.3 °C	170 - 200 °F	Liquid State (Tagliabue closed cup)

Electrical Properties	Metric	English	Comments
Dielectric Constant	3.33	3.33	Cured State
	@Frequency 1.00e+6 Hz	@Frequency 1.00e+6 Hz	

Processing Properties	Metric	English	Comments
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Shelf Life Processing Properties	12.0 Month Metric	12.0 Month English	Liquid State Comments
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Descriptive Properties	Value	Comments
Appearance	Clear liquid	Liquid State
	Clear-Hard	Cured State
Base compound (Resin)	Ethyl Cyanoacrylate	Liquid State
Gap Fill	0.006"	Cured State
Material Set Up Time	<5 sec	Rubber to Rubber
	10-15 sec	Phenolic to Phenolic
	10-15 sec	Polycarbonate to Polycarbonate
	10-30 sec	Steel to Steel
	6-12 sec	Aluminum to Aluminum

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