

Palm Labs Adhesives Turbo Fuse Series 160SI Surface Insensitive (1000 Viscosity) Rapid Bonding Adhesive

Category : Polymer , Adhesive

Material Notes:

Palm Lab's Cyanoacrylate is a one component rapid bonding adhesive. TURBO FUSE 440 SERIES GEL advanced thixotropic 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 440 GEL is ideal for use in applications that require a gel like, viscous adhesive. It is also ideal for applications on vertical, angled or overhead surfaces. For extreme gap fill, the use of an accelerator is highly recommended. Because of the thick gel consistency, it works especially well in poor fitting applications such as rough metal or ceramic repair, unfinished metal to metal bonding, and metal to rubber. Part Numbers for this data: 06-440, 07-440, 08-440, 09-440, S09-440, S093-440, S095-440, 35-440 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-160SI-Surface-Insensitive-1000-Viscosity-Rapid-Bonding-Adhesive.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.05 g/cc	1.05 g/cc	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 @Frequency 1.00e+6 Hz	3.33 @Frequency 1.00e+6 Hz	Cured State

Processing Properties	Metric	English	Comments
Shelf Life	12.0 Month	12.0 Month	Liquid State

Descriptive Properties	Value	Comments
Appearance	Clear white gel	Liquid State
	Clear-Hard	Cured State
Base compound (Resin)	Ethyl Cyanoacrylate	Liquid State
Gap Fill	0.008"	Cured State
Material Set Up Time	<90 sec	Phenolic to Phenolic
	10-25 sec	Rubber to Rubber
	20-30 sec	Aluminum to Aluminum
	50-100 sec	Steel to Steel
	50-7 0sec	Polycarbonate to Polycarbonate

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