

Palm Labs Adhesives Turbo Fuse Series 120SI Surface Insensitive (40 Viscosity) Rapid Bonding Adhesive

Category : Polymer , Adhesive

Material Notes:

Palm Lab's cyanoacrylate is a one component rapid bonding adhesive. TURBO FUSE SERIES 120SI SURFACE INSENSITIVE 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 is ideal for use in applications that require good "wicking" characteristics and/or in close fitting applications. Because of TurboFuse 120SI low viscosity, it works especially well in close fitting applications such as metal to metal bonding, and rubber to rubber such as "O" ring repair/manufacture. Part Numbers for this data: 04-120SI, 10-120SI, 15-120SI, 20-120SI, 25-120SI, 30-120SI, 35-120SI 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-120SI-Surface-Insensitive-40-Viscosity-Rapid-Bonding-Adhesive.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.05 g/cc	1.05 g/cc	Liquid State
Viscosity	35 - 45 cP	35 - 45 cP	Liquid State

Mechanical Properties	Metric	English	Comments
Hardness, Barcol	65	65	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
Shelf Life	12.0 Month	12.0 Month	Liquid State

Descriptive Properties	Value	Comments
Appearance	Clear liquid	Liquid State
	Clear-Hard	Cured State
Base compound (Resin)	Surface Insensitive Ethyl Cyanoacrylate	Liquid State
Gap Fill	0.004"	Cured State
Material Set Up Time	10-25 sec	Steel to Steel
	3-5 sec	Rubber to Rubber
	5-10 sec	Phenolic to Phenolic
	5-10 sec	Aluminum to Aluminum
	5-15 sec	Polycarbonate to Polycarbonate

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