

Palm Labs Adhesives TURBO FUSE SERIES 143 BLACK TOUGHENED (300 Viscosity) Rapid Bonding Adhesive

Category : Polymer , Adhesive

Material Notes:

Palm Lab's Cyanoacrylate is a one component rapid bonding adhesive. TURBO FUSE SERIES 143 – BLACK TOUGHENED 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 143 is ideal for use in applications that require an easily handled medium viscosity adhesive. Because of the 300 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. The BLACK TOUGHENED formula is especially good for sound speakers. Part Numbers for this data: 04-143B, 10-143B, 15-143B, 20-143B, 25-143B, 30-143B, 35-143B 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-143-BLACK-TOUGHENED-300-Viscosity-Rapid-Bonding-Adhesive.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.05 g/cc	1.05 g/cc	Liquid State
Viscosity	280 - 320 cP	280 - 320 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

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
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Descriptive Properties	Value	Comments
Appearance	Black Liquid	Liquid State
	Black-Hard	Cured State
Base compound (Resin)	Ethyl Cyanoacrylate	Liquid State
Gap Fill	0.006"	Cured State
Material Set Up Time	10-20 sec	Rubber to Rubber
	20-60 sec	Phenolic to Phenolic
	25-125 sec	Aluminum to Aluminum
	25-75 sec	Polycarbonate to Polycarbonate
	65-110 sec	Steel to Steel

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