

Palm Labs Adhesives Turbo Fuse Series 115SI Surface Insensitive (20 Viscosity) Rapid Bonding Adhesive

Category : Polymer , Adhesive

Material Notes:

Palm Lab's Cyanoacrylate is a one component rapid bonding adhesive. TURBO FUSE SERIES 115SI – 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 SERIES 115SI is ideal for use in applications that require an easily handled low viscosity adhesive on difficult surfaces. Because of the 20 viscosity, it works especially well in close to medium fitting applications that have difficult bonding surfaces. Part Numbers for this data: 04-115SI, 10-115SI, 15-115SI, 20-115SI, 25-115SI, 30-115SI, 35-115SI 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-115SI-Surface-Insensitive-20-Viscosity-Rapid-Bonding-Adhesive.php

Physical Properties	Metric	English	Comments
Viscosity	20 cP	20 cP	Liquid State

Mechanical Properties	Metric	English	Comments
Shear Strength	>= 10.0 MPa	>= 1450 psi	ASTM D1002/DIN 53283
	>= 12.0 MPa	>= 1740 psi	ASTM D1002/DIN 53283
	>= 18.0 MPa	>= 2610 psi	ASTM D1002/DIN 53283
	>= 20.0 MPa	>= 2900 psi	ASTM D1002/DIN 53283
	>= 22.0 MPa	>= 3190 psi	ASTM D1002/DIN 53283
	18.0 - 28.0 MPa	2610 - 4060 psi	Tensile, (Cured State)
	>= 25.0 MPa	>= 3630 psi	ASTM D1002/DIN 53283

Thermal Properties	Metric	English	Comments
Melting Point	160 - 170 °C	320 - 338 °F	Cured State
Maximum Service Temperature, Air	26.7 °C	80.0 °F	Cured State
Minimum Service Temperature, Air	-51.1 °C	-60.0 °F	Cured State
Flash Point	71.1 - 93.3 °C	160 - 200 °F	Liquid State (Tag closed cup)

Processing Properties	Metric	English	Comments
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Cure Time Processing Properties	1440 min Metric	24.0 hour English	Full Cured State 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	0.05 mm	Cured State
Material Set Up Time	<3 sec	Rubber
	12-18 sec	Ceramics
	1-5 sec	Wood
	2-5 sec	Plastics
	5-15 sec	Leather
	8-10 sec	Metals

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