

Palm Labs Adhesives Turbo Fuse Series 130PR PLASTIC & RUBBER (100 Viscosity) Rapid Bonding Adhesive

Category : Polymer , Adhesive

Material Notes:

Palm Lab's Cyanoacrylate is a one component rapid bonding adhesive. TURBO FUSE SERIES 130PR PLASTIC & RUBBER'S 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, especially on plastics and rubbers. The fast curing qualities make it especially desirable in high speed industrial production and is ideal for use in applications that require an easily handled medium viscosity adhesive. Because of the 100 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. Part Numbers for this data: 04-130PR, 05-130PR, 06-130PR, 10-130PR, 15-130PR, 20-130PR, 25-130PR, 30-130PR, 35-130PR 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-130PR-PLASTIC-RUBBER-100-Viscosity-Rapid-Bonding-Adhesive.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.10 g/cc	1.10 g/cc	Liquid State
Viscosity	90 - 110 cP	90 - 110 cP	Liquid State

Mechanical Properties	Metric	English	Comments
Shear Strength	5.00 - 10.0 MPa	725 - 1450 psi	Cured; ASTM D1002/DIN 53283
	6.00 - 9.03 MPa	870 - 1310 psi	Cured; ASTM D1002/DIN 53283
	8.00 - 14.0 MPa	1160 - 2030 psi	Cured; ASTM D1002/DIN 53283
	10.0 - 15.0 MPa	1450 - 2180 psi	Cured; ASTM D1002/DIN 53283
	10.0 - 15.0 MPa	1450 - 2180 psi	Cured; ASTM D1002/DIN 53283

Thermal Properties	Metric	English	Comments
CTE, linear	0.900 $\mu\text{m}/\text{m}\cdot\text{C}$	0.500 $\mu\text{in}/\text{in}\cdot\text{F}$	ASTM D696
Thermal Conductivity	0.100 W/m-K	0.694 BTU-in/hr-ft ² -°F	ASTM C177
Maximum Service Temperature, Air	82.2 °C	180 °F	Cured State
Softening Point	71.1 - 76.7 °C	160 - 170 °F	Cured State
Minimum Service Temperature, Air	-53.9 °C	-65.0 °F	Cured State
Flash Point	71.1 - 93.3 °C	160 - 200 °F	Liquid State (Tagliabue closed cup)

Electrical Properties	Metric	English	Comments
Dielectric Strength	24.6 kV/mm	625 kV/in	ASTM D149

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
Chemical Resistance	75% Initial Strength Retained	Gasoline at 22°C, at 1000hrs
	80% Initial Strength Retained	Gasoline at 22°C, at 500hrs
	85% Initial Strength Retained	Isopropanol at 22°C, at 500hrs
	85% Initial Strength Retained	Isopropanol at 22°C, at 1000hrs
	90% Initial Strength Retained	Motor Oil at 40°C, at 500hrs
	90% Initial Strength Retained	Mineral Spirit at 22°C, at 500hrs
	90% Initial Strength Retained	Motor Oil at 40°C, at 1000hrs
	90% Initial Strength Retained	Mineral Spirit at 22°C, at 1000hrs
Gap Fill	0.20 mm	Cured State

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