

Palm Labs Adhesives Turbo Fuse Series 110 (5 Viscosity) Rapid Bonding Adhesive

Category : Polymer , Adhesive , Thermoset , Acrylic/Cyanoacrylate Adhesive

Material Notes:

Palm Lab's cyanoacrylate is a one component rapid bonding adhesive. TURBO FUSE SERIES 110 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 110 Series 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: 04-110, S09-110, S093-110, 10-110, 20-110, 25-110, 30-110, 35-110 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-110-5-Viscosity-Rapid-Bonding-Adhesive.php

| Physical Properties | Metric | English | Comments |
|---------------------|--------------|--------------|--------------|
| Specific Gravity | 1.05 g/cc | 1.05 g/cc | Liquid State |
| Viscosity | 2.0 - 5.0 cP | 2.0 - 5.0 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) | Ethyl Cyanoacrylate | Liquid State |
| Gap Fill | 0.002" | Cured State |
| Material Set Up Time | <3 sec | Rubber to Rubber |
| | 3-10 sec | Polycarbonate to Polycarbonate |
| | 3-5 sec | Phenolic to Phenolic |
| | 3-5 sec | Aluminum to Aluminum |
| | 5-15 sec | Steel to Steel |

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