

Aptek 6512-PMF Electronic grade, conductive epoxy adhesive

Category : Polymer , Adhesive , Thermoset , Epoxy , Epoxy Adhesive , Epoxy, Electrically Conductive

Material Notes:

APTEK 6512-PMF is a one component, 100% solid, silver-filled, electrically conductive epoxy adhesive specifically designed for the attachment of electronic components to printed circuit boards. APTEK 6512-PMF displays excellent adhesion to various metal, ceramic, and PC board substrates. Long RT pot life/snap heat cure - ideal for automated systems; High purity resin system for minimum level of ionic contamination to prevent corrosion problems; Smooth, highly thixotropic consistency for machine stamping and syringe dispensing applications. Holds its shape during heat cure for component staking applications; Capable of curing at 85°C to minimize harming heat-sensitive components; Lower Tg version available for reworkable-grade adhesive for SMT; Available in various size syringes and alternative containers to meet application requirements. Information provided by Aptek Laboratories, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Aptek-6512-PMF-Electronic-grade-conductive-epoxy-adhesive.php

| Physical Properties | Metric | English | Comments |
|---------------------|-----------|--------------------------|------------|
| Density | 3.00 g/cc | 0.108 lb/in ³ | ASTM D1475 |

| Mechanical Properties | Metric | English | Comments |
|------------------------|----------|----------|---|
| Adhesive Bond Strength | 6.89 MPa | 1000 psi | Al-to-Al Lap Shear; Cured 30 min. at 125°C, 3-5 mil bond line, Al to Al; ASTM D1002 |

| Thermal Properties | Metric | English | Comments |
|--------------------|-----------|-----------|----------|
| Flash Point | >= 150 °C | >= 302 °F | ASTM D92 |

| Electrical Properties | Metric | English | Comments |
|-----------------------|---------------|---------------|---------------------------|
| Volume Resistivity | 0.0050 ohm-cm | 0.0050 ohm-cm | Cured property; ASTM D257 |

| Processing Properties | Metric | English | Comments |
|------------------------|---------|---------|--------------|
| Processing Temperature | 85.0 °C | 185 °F | Cure 2 hrs |
| | 100 °C | 212 °F | Cure 1 hrs |
| | 125 °C | 257 °F | Cure 0.5 hrs |

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