

Aptek 6505PMF Electronic-grade, non-conductive adhesive

Category : Polymer , Adhesive , Thermoset

Material Notes:

APTEK 6506-PMF is a one component, 100% solid, mineral-filled epoxy adhesive specifically designed for the attachment of electronic components to printed circuit boards as well as a protective barrier underneath epoxy overmolded devices. APTEK 6505-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 stacking applications; Capable of cure at 80°C to minimize harmful heat-sensitive components; Changes colors when gelation occurs-takes the guess work out of knowing when the material is gelled; Lower Tg version 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-6505PMF-Electronic-grade-non-conductive-adhesive.php

Physical Properties	Metric	English	Comments
Density	1.87 g/cc	0.0676 lb/in ³	ASTM D1475
Viscosity	220000 cP	220000 cP	(#7spindle/10 rpm)

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	90	90	Cured property; ASTM D2240
Adhesive Bond Strength	13.8 MPa	2000 psi	Al-to-Al Lap Shear; Cured property; ASTM D1002

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

Electrical Properties	Metric	English	Comments
Volume Resistivity	2.50e+14 ohm-cm	2.50e+14 ohm-cm	Cured property; ASTM D257

Processing Properties	Metric	English	Comments
Processing Temperature	80.0 °C	176 °F	Cure 1.5 hrs
	100 °C	212 °F	Cure 0.75 hrs

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