

## Aptek 2120 PMF Low modulus urethane staking compound

Category : Polymer , Adhesive , Thermoset , Polyurethane, TS , Thermoset Polyurethane, Adhesive

### Material Notes:

Premixed-frozen, low modulus urethane staking compound APTEK 2120-PMF is a one component, premixed-frozen, thixotropic, electrically insulating soft urethane adhesive. It was designed for the staking of electrical/electronic components to printed circuit boards. APTEK 2120-PMF is a 100% solids, solvent free system that will not form voids during cure or outgas after being fully cured. APTEK 2120-PMF is a non-TDI based urethane system which has outstanding reversion resistance and physical stability when subjected to high heat and humidity environments. As a urethane, this system displays higher ionic purity than epoxy systems minimizing the chance of corrosion around sensitive components and circuitry. Premixed-frozen and packaged in syringes for convenient dispensing to circuit board; Low modulus to minimize stress to sensitive components and ceramic substrates; Low Tg for excellent low temperature cycling and performance; Excellent substrate adhesion; superior to silicones. Information provided by Aptek Laboratories, Inc.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Aptek-2120-PMF-Low-modulus-urethane-staking-compound.php](http://www.lookpolymers.com/polymer_Aptek-2120-PMF-Low-modulus-urethane-staking-compound.php)

Physical Properties	Metric	English	Comments
Density	0.980 g/cc	0.0354 lb/in <sup>3</sup>	ASTM D1475
Viscosity	188000 cP	188000 cP	ASTM D1824

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	63	63	Cured property; ASTM D2240

Thermal Properties	Metric	English	Comments
Glass Transition Temp, Tg	-60.0 °C	-76.0 °F	Cured property; JMTP P-200
Flash Point	>= 150 °C	>= 302 °F	ASTM D92

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+15 ohm-cm	1.00e+15 ohm-cm	Cured property; ASTM D257
Dielectric Constant	3.5 @Frequency 1000 Hz	3.5 @Frequency 1000 Hz	Cured property; ASTM D150
Dielectric Strength	>= 13.8 kV/mm @Thickness 0.127 mm	>= 350 kV/in @Thickness 0.00500 in	Cured; ASTM D149
Dissipation Factor	0.024 @Frequency 1000 Hz	0.024 @Frequency 1000 Hz	Cured property; ASTM D150

Processing Properties	Metric	English	Comments
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Processing Properties	Metric	English	Comments
	100 °C	212 °F	Cure 3 hrs
	125 °C	257 °F	Cure 1.5 hrs

## Contact Songhan Plastic Technology Co.,Ltd.

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