

## Aptek UVISTAKE 7205LM-PMF UV Curing, Low Outgassing, Urethane staking compound

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

### Material Notes:

UVISTAKE 7205LM-PMF is a 100% solids, thixotropic, one component, premixed frozen, electrically insulating, urethane system designed for the attachment and staking of electrical/electronic components mounted on printed circuit boards. This system provides an excellent combination of flexibility and strength for demanding applications where toughness is required for the management of thermomechanical stresses. UVISTAKE 7205LM-PMF will become tack free when exposed to the proper UV light radiation. The staking compound will fully post cure in exposed and shaded areas in 14 days at 25°C and 50% relative humidity, as an alternative, the post cure for the staking compound in both exposed and shaded areas may be accelerated with low to moderate heat. Multicure mechanism for complete cure in shaded areas underneath components; Good flexibility for reduced stress in the encapsulation of sensitive glass-bodied components; Meets NASA condensable volatile requirements for high vacuum environments; Highly reversion resistant for good physical stability under high heat and humidity environments; Excellent adhesion to plastic/metal components and substrates; More rigid version (95A) available as UVISTAKE 7205-PMF; Packaged in syringes for convenient dispensing; No TDI, no toxic solvents, no free acrylic acid for safety. Information provided by Aptek Laboratories, Inc.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Aptek-UVISTAKE-7205LM-PMF-UV-Curing-Low-Outgassing-Urethane-staking-compound.php](http://www.lookpolymers.com/polymer_Aptek-UVISTAKE-7205LM-PMF-UV-Curing-Low-Outgassing-Urethane-staking-compound.php)

Physical Properties	Metric	English	Comments
Density	1.02 g/cc	0.0368 lb/in <sup>3</sup>	ASTM D1475
Outgassing - Total Mass Loss	0.80 - 2.5 %	0.80 - 2.5 %	Cured property; at 10E-6 torr; ASTM E595
Collected Volatile Condensable Material	0.030 %	0.030 %	Cured property; at 10E-6 torr; ASTM E595

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	60	60	Cured property; ASTM D2240

Thermal Properties	Metric	English	Comments
CTE, linear	298 $\mu\text{m}/\text{m}\cdot^{\circ}\text{C}$ @Temperature 20.0 $^{\circ}\text{C}$	166 $\mu\text{in}/\text{in}\cdot^{\circ}\text{F}$ @Temperature 68.0 $^{\circ}\text{F}$	Cured property; alpha 2; ASTM E831-86
Glass Transition Temp, Tg	-35.0 $^{\circ}\text{C}$	-31.0 $^{\circ}\text{F}$	Cured property; ASTM E831-86
Flash Point	$\geq 100$ $^{\circ}\text{C}$	$\geq 212$ $^{\circ}\text{F}$	ASTM D92

Electrical Properties	Metric	English	Comments
Volume Resistivity	5.40e+14 ohm-cm	5.40e+14 ohm-cm	Cured property; ASTM D257

Electrical Properties	<sup>3.5</sup> Metric	<sup>3.5</sup> English	Comments
	@Frequency 1000 Hz	@Frequency 1000 Hz	erty; ASTM D150
Dielectric Strength	>= 59.1 kV/mm @Thickness 0.0762 mm	>= 1500 kV/in @Thickness 0.00300 in	Cured; ASTM D149

## Contact Songhan Plastic Technology Co.,Ltd.

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