

## Aptek 7504LM-PMF UV Urethane Coating/Encapsulant

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

### Material Notes:

UV-cured, 100% solids version of UVIKOTE 7503 LM-PMF. Castable/brushable viscosity for higher coating build-up. QPL listed on MIL-I-46058C, types UR an AR. Information provided by Aptek Laboratories, Inc.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Aptek-7504LM-PMF-UV-Urethane-CoatingEncapsulant.php](http://www.lookpolymers.com/polymer_Aptek-7504LM-PMF-UV-Urethane-CoatingEncapsulant.php)

Physical Properties	Metric	English	Comments
Density	0.940 g/cc	0.0340 lb/in <sup>3</sup>	ASTM D1475
Viscosity	6000 cP	6000 cP	ASTM D1824
Outgassing - Total Mass Loss	0.80 %	0.80 %	Cured property; at 10E-6 torr; ASTM E595
Collected Volatile Condensable Material	0.020 %	0.020 %	Cured property; at 10E-6 torr; ASTM E595

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	55	55	Cured property; ASTM D2240
Modulus of Elasticity	0.00483 GPa	0.700 ksi	

Thermal Properties	Metric	English	Comments
CTE, linear	82.0 $\mu\text{m}/\text{m}\cdot\text{°C}$	45.6 $\mu\text{in}/\text{in}\cdot\text{°F}$	Cured property; alpha 1; ASTM E831-86
	@Temperature 20.0 °C	@Temperature 68.0 °F	
	222 $\mu\text{m}/\text{m}\cdot\text{°C}$	123 $\mu\text{in}/\text{in}\cdot\text{°F}$	Cured property; alpha 2; ASTM E831-86
	@Temperature 20.0 °C	@Temperature 68.0 °F	
Glass Transition Temp, Tg	-65.0 °C	-85.0 °F	Cured property; ASTM E831-86
Flash Point	>= 100 °C	>= 212 °F	TCC

Electrical Properties	Metric	English	Comments
Volume Resistivity	4.00e+14 ohm-cm	4.00e+14 ohm-cm	Cured property; ASTM D257
Insulation Resistance	1.00e+14 ohm	1.00e+14 ohm	MIL-I-46058C
Dielectric Constant	3.2	3.2	Cured property; ASTM D150
	@Frequency 1000 Hz	@Frequency 1000 Hz	
	>= 59.1 kV/mm	>= 1500 kV/in	

Dielectric Strength Electrical Properties	Metric @ Thickness 0.0762 mm	English @ Thickness 0.00300 in	Cured: ASTM D149 Comments
Dissipation Factor	0.030 @Frequency 1000 Hz	0.030 @Frequency 1000 Hz	Cured property; ASTM D150

Descriptive Properties	Value	Comments
Color	Clear Yellow/Amber	

## Contact Songhan Plastic Technology Co.,Ltd.

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