



APTEK LABORATORIES, INC.

ISO 9001 / AS9100 Certified

28570 Livingston Avenue, Valencia, CA 91355-4171 • (661) 257-1677 FAX (661) 257-8939

TECHNICAL DATA & INFORMATION

UVISTAKE™ 7206

UV Curing, Urethane Staking Compound

PRODUCT DESCRIPTION

UVISTAKE 7206 is a 100% solids, thixotropic, one component, 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 7206 will become tack free when exposed to the proper UV light radiation.

KEY FEATURES AND BENEFITS

- Good flexibility for reduced stress in the encapsulation of sensitive glass-bodied components
- Highly reversion resistant for good physical stability under high heat and humidity environments
- Excellent adhesion to plastic/metal components and substrates. Adheres well to itself for multicoat and repair applications
- Packaged in syringes for convenient dispensing. Plungers available for hand operation or pneumatic--type syringes for automated dispensing.
- No TDI, no toxic solvents, no free acrylic acid for safety

HANDLING INFORMATION

Note: Work life adversely affected by heat and humidity. Keep material away from direct sunlight. Store in original factory sealed containers/syringes.

CURE SCHEDULE

U.V. Cure with Conveyor Equipment

2 passes under 300 W/in Fusion UV, D-bulb lamp at rate of 5 foot per min.

U.V. Cure with Spot Cure Equipment

We recommend using an EFOS Novacure or equivalent equipment with similar power generating capabilities. This system is capable of generating the same amount of energy as in cure #1. In some applications, diffusers may be necessary to insure even energy distribution and complete cure. Customer should consult Aptek Laboratories and/or equipment supplier to optimize cure for individual applications.

- DISCLAIMER NOTICE -

All statements, technical data, and recommendations expressed herein are based on tests believed to be reliable and accurate. However, APTEK LABORATORIES, INC. gives no warranty, expressed or implied, regarding the accuracy of this information. It is intended that the buyer and user of these products shall determine the suitability of the information provided for his specific application, and is responsible for its selection.

APTEK LABORATORIES, INC. shall not be liable for any injury, loss or damage, direct or consequential, arising out of the use or misuse of these products, or of the information given in these data bulletins. Purchasers assume all risk and liability whatsoever in connection with the use of these products and this information.

Note: The above cure schedules are conservative and should be used as guidelines only. User should determine proper cure schedule based on applications requirements and properties desired.

TYPICAL PROPERTIES
(not for specification purposes)

<u>CHARACTERISTICS</u>	<u>7206</u>	<u>TEST METHOD</u>
Color	Clear yellow/amber	Visual
Specific gravity	1.14	ASTM D-1475
Viscosity @ 20°C,cps	thixotropic paste	ASTM D-1824
Flash point, °C	>100°C	TCC
Shelf life @ 25°C, in factory sealed containers, months	6	

<u>CURED PHYSICAL PROPERTIES</u>	<u>7206</u>	<u>TEST METHOD</u>
Hardness, Durometer D	40	ASTM D-2240
Glass transition temp., °C	<-20	ASTM E831-86
Fungus resistance	Non-nutrient	ASTM G-21

<u>CURED ELECTRICAL PROPERTIES</u>	<u>7206</u>	<u>TEST METHOD</u>
Volume resistivity, @25°C, ohm-cm	1.0×10^{14}	ASTM D-257
Dielectric constant, @1KHz, @25°C	3.8	ASTM D-150
Dissipation factor @1KHz, @25°C	0.04	ASTM D-150
Dielectric strength, 0.003" thick film, volts/mil	>1500	ASTM D-149
Insulation resistance, ohms	1.0×10^{13}	MIL-I-46058C

SAFETY AND FIRST AID

UVISTAKE 7206 is 100% solids organic acrylated resin blend usually packaged in syringes and is thus considered safe to use when handled properly. Store at 25°C or below and keep away from flame, sparks, or other sources of ignition. Use in a well ventilated area and avoid breathing vapors. In case of eye contact, flush with fresh clean water for at least 15 minutes; for skin contact, wash thoroughly with soap and water. If swallowed, drink at least one pint of water and call a physician. Refer to Material Safety Data Sheet for more details.

Issued: 10/16/09 - di

UVIKOTE™ is a trademark of Aptek Laboratories, Inc.

Aptek® is a registered trademark of Aptek Laboratories, Inc.