

Key Features

- Cobalt Blue
- Thixotropic
- Electrically Insulative
- Flexible
- Hydrolytic Stability
- Long Pot Life
- Low Glass Transition Temperature
- Low Modulus
- Meets NASA Outgassing Requirements
- Solvent Resistant
- Fungus Resistant

Uncured

- Work Life @ 25°C: 1.5 hours
- Viscosity @ 25°C: 45,000 cPs
- Thixotropic Index: 3.0
- Shelf Life @ -40°C: 6 Months
- Shelf Life @ -60°C: 9 Months

Cure Options

- 12 hours @ 25°C plus 1 hour @ 66°C
- 2.5 hours @ 66°C
- 7 days @ 25°C

Cured Properties

(Based on cure of 2.5 hours @ 66°C)

Color	Blue
Shore A Hardness	65
Glass Transition Temp (°C)	-74
Density (g/cc)	1.0
Lap Shear 2024T3 Clad (psi)	500

Electrical Properties

(Based on cure of 2.5 hours @ 66°C)

Volume Resistivity (ohm-cm)	2.0E 13 @ 500 VDC
-----------------------------	-------------------

Product Description:

Appli-Thane[®] 7130 is a 100% solids, blue, thixotropic, precision mixed, degassed, and frozen polyurethane adhesive compound for advanced electronic assembly. Appli-Thane[®] 7130 was designed specifically to have a 3-4 times longer pot life, half the cure time and 4 times longer shelf life than standard aerospace urethanes. This thixotropic compound is suitable for electronic bonding, staking, and may be used as a fillet as well. Appli-Thane[®] 7130 cures to a flexible material with low modulus and a very low Glass Transition Temperature (Tg). The cured material's ability to not crack or harm bonded rigid components during thermal cycling is a major plus. Appli-Thane[®] 7130 passes NASA outgassing requirements and provides strain relief for many staking and bonding applications where thermal conductivity is not required.

Thermal Properties

(Based on cure of 2.5 hours @ 66°C)

Glass Transition Temp (°C)	-74
Operating Temp. Range (°C)	-100 to 125
Thermal Conductivity (W/mK)	0.3

Outgassing Properties

(Based on cure of 12 hours at 25°C plus 1 hour @ 66°C)

TML (%)	0.48
CVCM (%)	0.01
WVR (%)	0.17

Acoustic Properties

Velocity (m/s)	1,610
Impedance (MRayls)	1.62
Loss (dB/cm-MHz)	-6.4
Density (g/cc)	1.0

The data contained herein is provided for informational purposes only and are believed to be reliable. APPLI-TEC does not guarantee suitability of this product for any resultant application or freedom from patent infringement. Furthermore, APPLI-TEC disclaims any liability for incidental and consequential damages of any kind including but not limited to lost profits.