

## Key Features

D.O.T. Non- Hazardous  
Transparent  
Flexible  
Low Viscosity, Self-leveling, De-Airs Easily  
Meets NASA Outgassing Requirements

## Uncured

Work Life @ 25°C: 45 minutes  
Viscosity Mixed @ 25°C: 2850 cPs  
Viscosity Part A: 750 cPs  
Viscosity Part B: 18,000 cPs  
Thixotropic Index: 1.0  
Shelf Life Unmixed @ RT: 10 Months  
Shelf Life Mixed @ -60°C: 9 Months  
Mix Ratio A:B 100:86.2 Parts By Weight

## Cure Options

24 hours @ 25°C (handling)  
1.5 hours @ 65°C  
7 days @ 25°C (full properties)

## Cured Properties

(Based on cure of 1.5 hours @ 65°C)  
Color Amber  
Shore A Hardness 70  
Glass Transition Temp (°C) 4  
Density (g/cc) 1.0  
Lap Shear 2024T3 Clad (psi) 500  
Shrinkage Linear (%) 0.7

## Electrical Properties

(Based on cure of 1.5 hours @ 65°C)  
Volume Resistivity (ohm-cm) 4.0E+15 @ 500 VDC

## Product Description:

Appli-Thane<sup>®</sup> 7125 is a clean, low toxicity, easy to use polyurethane compound for advanced electronic assembly. 7125 is available in either 2 part kits or in precision mixed, degassed and frozen syringes or cartridges. 7125 is self-leveling and de-airs easily for defect free potting. 7125 passes NASA outgassing requirements and provides strain relief for many bonding applications where high thermal conductivity is not required.

7125 can be easily modified to increase its thermal conductivity for heat dissipation applications.

7125 can be easily modified to increase its thixotropic properties for staking applications.

## Thermal Properties

(Based on cure of 1.5 hours @ 65°C)  
Glass Transition Temp (°C) 4  
Thermal Conductivity (W/mK) 0.2

## Outgassing Properties

(Based on cure of 1.5 hours @ 65°C)  
TML (%) 0.70  
CVCM (%) 0.01  
WVR (%) 0.09

## Acoustic Properties

Velocity (m/s) 1,950  
Impedance (MRayls) 2.06  
Loss (dB/cm-MHz) -6.9  
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.