

0.2 W/mK

Our lowest viscosity Appli-Thane product, 7125 is ideal for potting and encapsulation of advanced electronic assemblies. With a Shore A hardness of 70, the soft material provides resistance to vibration as well as low shrinkage for minimal stress on components during cure. The material passes NASA's outgassing requirements and provides strain relief for many bonding applications where high thermal conductivity isn't required.

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	6 Months
Mix Ratio A:B	100:86.2 Parts By Weight
CURE OPTIONS	
24 hours @ 25°C	(handling)
1.5 hours @ 65°C	(full properties)
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
THERMAL PROPERTIES Based on cure of 1.5 hours @ 65°C	
Glass Transition Temp (°C)	4
Thermal Conductivity (W/mK)	0.2
Operating Temp. Range (°C)	-50 to 125
OUTGASSING PROPERTIES Based on cure of 1.5 hours @ 65°C	
TML (%)	0.70
CVCM (%)	0.01
WVR (%)	0.09
ACOUSTIC PROPERTIES	

KEY FEATURES

D.O.T. Non-Hazardous

Transparent

Flexible

Low Viscosity

Self-leveling

De-Airs Easily

Meets NASA Outgassing Requirements

✓ RoHS Compliant

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Rev G

2/5/2025

Velocity (m/s)	1,950
Impedance (MRayls)	2.06
Loss (dB/cm-MHz)	-6.9
Density (g/cc)	1.0