

High electrical & thermal conductivity

0121 is a one-component, silver-filled, electrically conductive, precision mixed, degassed, and frozen epoxy. It has a long work life, high electrical and thermal conductivity (2.2 W/mK), and a volume resistivity of 6.0E -4 (ohm-cm). These features make it ideal for microelectronic, optoelectronic, and thermal management applications. This material has a long pot life, which maintains its dispensability for 2 days, making it suitable for automated dispensing; it can also be cured quickly at elevated temperatures. 0121 also has a high thixotropic index of 3.7. User-friendly packaging allowing for easy dispensing.

UNCURED	
Pot Life @ 25°C	Work Life @ 25°C 48 hours
Viscosity @ 25°C	2,250 cPs
Shelf Life @ < -40°C	1 year
Thixotropic Index	3.7
CURE OPTIONS	45 seconds @ 175°C 5 minutes @ 150°C 20 minutes @ 121°C 3 hours @ 80°C
CURED PROPERTIES	Based on cure of 3 hours @ 80°C
Color	Silver
Shore D Hardness	88
Specific Gravity	2.70
Lap Shear, psi	1,500
ELECTRICAL PROPERTIES	Based on cure of 20 minutes @ 121°C
Volume Resistivity (ohm-cm)	6.0E - 4
THERMAL PROPERTIES	Based on cure of 3 hours @ 80°C
Thermal Conductivity (W/m ² K)	2.2
Thermal Conductivity (BTU in/hr ft ² °F)	15
Glass Transition Temp (°C)	80
Degradation Temp (°C)	410

KEY FEATURES

Bonds Well to Most Substrates

Fast Elevated Temperature Cure

High Electrical Conductivity

High Thermal Conductivity

Long Work Life

User-friendly Packaging

✓ RoHS Compliant

Chat with a specialist:

service@appli-tec.com

603-685-0500 ext. 526

www.appli-tec.com

7 Industrial Way, Unit 1, Salem, NH 03079

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