

Key Features

High Electrical Conductivity
Listed on NASA Low Outgassing Website
Low Shrinkage
Room Temperature Cure

Uncured

Pot Life @ 25°C: 30 minutes
Viscosity Part A @ 25°C: Paste
Viscosity Part B @ 25°C: 25 cPs
Shelf Life @ -40°C: 6 Months
Shelf Life @ -60°C: 10 Months
Shelf Life @ -75°C: 24 Months
Shelf Life @ 25°C: 6 Months (Appli-Pac®, Bulk Kit)
Mix Ratio (PBW A:B): 100:4.31

Cure Options

2 hours @ 65 °C
24 hours @ 25 °C
30 minutes @ 100°C

Cured Properties

(Based on cure of 2 hours @ 65 °C)

Color	Silver
Shore D Hardness	90
Glass Transition Temp (°C)	85
Specific Gravity	2.75
Lap Shear 2024T3 Clad (psi)	1,200

Electrical Properties

(Based on cure of 2 hours @ 65 °C)

Volume Resistivity (ohm-cm)	8.0E -4
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Product Description:

5200 is a silver-filled, electrically conductive epoxy that is available in bulk kits, Appli-Pac® Kits, or precision mixed, degassed, and frozen syringes. 5200 is specifically designed to cure at room temperature or cure quickly at elevated temperatures. This material contains silver and is excellent in applications such as electrical bonding, EMI shielding, room temperature soldering, and other applications that require excellent thermal and electrical conductivity across the bond line. 5200 has a thermal conductivity of 2.5 (W/mK), meets the NASA outgassing requirements and is listed as a low outgassing material on the NASA outgassing website. This material also features low shrinkage during the curing process.

Thermal Properties

(Based on cure of 2 hours @ 65 °C)

Glass Transition Temp (°C)	85
Operating Temp. Range (°C)	-60 to 120
Thermal Conductivity (W/mK)	2.5
Degradation Temp. (°C)	300

Outgassing Properties

(Based on cure of 2 hours @ 65 °C)

TML (%)	0.19
CVCM (%)	0.00
WVR (%)	0.17

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