LORD® 6144 Silver Conductor

Technical Data Sheet

LORD® 6144 silver conductor is a one-component, thermosetting conductive epoxy designed for surface mount attachment of electronic component devices. It is primarily used as a chip-to-lead frame adhesive for tantalum capacitors.

Features and Benefits:

Application Diversity – may be applied by screen printing, syringe or pin transfer.

Excellent Adhesion – cured film provides excellent mechanical properties with good bonding to a variety of surfaces.

Excellent Conductivity – cured film provides excellent electrical conductivity.

Application/Processing:

Applying – Before using, allow material temperature to adjust to ambient conditions. Consult handling instructions for specific guidelines. Once thawed, working life of material is 8 hours at 25°C.

Apply material by screen printing, syringe dispensing or pin transfer. For screen printing, use a 200 mesh screen with 1.0-1.5 mil organic emulsion backing. Use of a medium to hard silicone squeegee is recommended.

Curing – Minimum curing profile is 125°C for 15 minutes. Optimum cure schedule will vary depending on application and will need to be determined empirically.

Cleanup – Use conventional organic solvents such as acetone or isopropyl alcohol for cleanup.

Shelf Life/Storage:

Shelf life is eight weeks from date of manufacture when stored at -15°C in original, unopened container.

This material is shipped frozen. Material should be stored frozen until ready for application. Consult handling instructions** for thawing.

**Handling instructions are available on LORD.com.

Typical Properties*

Appearance	Silver Paste
Viscosity, Kcps @ 25°C Brookfield HBT Spindle CP-51, 10 rpm	5-7
Cured	
Resistivity, ohms-cm Cured @ 125°C for 15 minutes	≤0.0002

*Data is typical and not to be used for specification purposes.

Cautionary Information:

Before using this or any Parker LORD product, refer to the Safety Data Sheet (SDS) and label for safe use and handling instructions.

For industrial/commercial use only. Must be applied by trained personnel only. Not to be used in household applications. Not for consumer use.

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