



ELECTRA

TECHNICAL DATA SHEET

ELECTRABOND

1-COMPONENT SILVER EPOXY ADHESIVE

PRODUCT DESCRIPTION

Electrabond is a single component, solvent-free, silver-filled, epoxy curing system designed for use as a die attach adhesive.

Electrabond viscosity and rheological characteristics are optimised for effective, fast dispensing without stringing, tailing or resin bleed. The solvent-free formulation reduces weight loss and eliminates the risk of voids.

PROCESSING

Curing: 60 minutes at 150°C
An additional cure of 60 minutes at 200°C has been found to optimise mechanical and electrical properties.

| Properties | Typical Values |
|------------------------------------|--|
| Resin base | Liquid epoxy |
| Solids level | 100% |
| Filler type | Silver flake |
| Density | 3gcm ⁻³ |
| Viscosity at 25°C | 24 Poise (Haake VT-24, PKII, 0.3°) |
| Working life at 25°C | 48 hours |
| Storage life at -40°C | 12 months |
| Glass transition temperature (DSC) | 90°C |
| Shear strength | >1700 Ncm ⁻² |
| Volume resistivity | < 1 x 10 ⁻⁴ Ωcm ⁻¹ |



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PACK-SIZE: 10ml syringes

SHELF-LIFE: Normal storage at -15°C will give a useable shelf-life of 3 months.
Shelf-life can be extended to up to 12 months by storing at -40°C.

Storage at room temperature is not recommended as viscosity increases will be seen in less than 2 weeks.

For further information, contact:

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