Elecolit® 3024 is an electrically conductive 2part epoxy resin adhesive with a long processing time. The mixing ratio is 1:1 weight components. The adhesive may be processed with a dispenser, screen printing or stamp printing. Elecolit® 3024 was specifically developed for the bonding of heat sensitive components. Curing is possible at just 80°C. At high temperatures, the product cures in the shortest possible time = “snap cure”.

**Technical Data**

- **Color**: silver
- **Resin**: 2K-Epoxy
- **Filler**: approx. 70% silver

**UNCURED PROPERTIES**

- **Viscosity (Brookfield LVT/25°C) [mPa·s]**: PE-Norm P001 2800
- **Flash point [°C]**: PE-Norm P050 > 207
- **Pot-Life [hours]**: PE-Norm P019 approx. 8
- **Density [g/cm³]**: PE-Norm P003 approx. 3

**Curing**

- 180 minutes at 80 °C
- 2 hours at 90 °C
- 15 minutes at 120 °C
- 5 minutes at 150 °C

**CURED PROPERTIES**

- **Temperature Resistance [°C]**: PE-Norm P030 -40 to 150
- **Hardness [Shore D]**: PE-Norm P052 82
- **Volume resistivity [Ohm x cm]**: ASTM-D-257-93 0.0005
- **Tg [°C] (DSC)**: PE-Norm P009 50 to 60
- **CTE [ppm/K]**: PE-Norm P017 62

Our data sheets have been compiled to the best of our knowledge. The information included in our data sheets is exclusive information for the intended user and describes characteristics, with no declaration of commitment. We recommend trials in order to confirm that our products satisfy the particular application requirements. For an additional technical consultation, please contact our R&D department. In general, for guarantee claims, please refer to our standard terms and conditions.

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**Shelf life:**
- 6 months at 25 °C
- 9 months at 5 °C
- 12 months at -40 °C
**Instructions for Use**

**Surface Preparation**
The surfaces to be bonded should be free of dust, oil, fat or any other dirt in order to optimise reproducible results. Lightly soiled surfaces can be cleaned with cleaner IP to create a suitable working surface.

**Application**
Our Elecolit 2-C products are delivered in separate packing units. Resins can crystallize at deep temperature storage- this process will be reversible by heating for 1 hour at 40°C. The components A and B have to be homogenised well, weigh out in mixing ration and homogenised with each other for min. 2 minutes. From now, the pot life time starts and the adhesive has to be applied rapidly. You can dispense or use them for screen printing processes.

**Curing**
For curing heat must be applied. In some cases they will cure even at room temperature. But higher temperature will reduce the curing time. For detailed curing information, please look into the technical data sheet. Higher curing temperature will lead to better electrical conductivity and less volume resistivity.

If help is required, please contact our engineering department.
Please read the corresponding **Safety Data Sheet** for this product.

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**Mechanical Data**

**Lap Shear Strength (Alu/Alu) [MPa]**

- approx. 9.8

[PE-Norm P013]