



Argenhelvet Holding

Polymeric Composition **ELE601**

DESCRIPTION

Polymer conducting ink **ELE601** is specially designed for biomedical sensor application.

TYPICAL APPLICATIONS

- Biomedical sensor application

KEY FEATURES

ELE601 is designed for:

- Excellent conductivity

TYPICAL PROPERTIES

- **Solids content:** 62 % typical
- **Viscosity:** 30000 – 50000 cP
- **Sheet resistivity:** < 0.080 Ω / square / 25 μ m
- **Crease:** > 2 cycle
- **Adhesion / Tape Pull:** No Conducting Metal Transfer
- **Pencil hardness:** 2H
- **Operating temperature:** 90 °C

PROCESSING

- **Screen Printing Equipment:** Reel-to-reel, semiautomatic, manual
- **Substrates:** Polyester, polyimide, PVC, ABS, polycarbonate
- **Screen Type:** Polyester, stainless steel
- **Typical Cure Temperature:** Oven 140°C for 60 minutes
- **Clean-up Solvent:** S1008

THINNER

ELE601 is optimized for screen printing. However, if thinning is necessary, T108 should be used for slight adjustments.

STORAGE

ELE601 should be stored at 10 – 30°C within the sealed containers. Settling of solids may occur during storage, so the material should be stirred thoroughly prior to use.

SHELF LIFE

ELE601 has a shelf life of 6 months from date of shipment for factory-sealed containers, stored under our recommended condition.

APPLICATION ASSISTANCE

Our Application Specialists are available to assist you in production star-up with the products. Please contact us for more information.

HEALTH AND SAFETY

Our products are intended for industrial use by trained personnel. The following precautions should be taken when handling the products:

- Read the Material Safety Data Sheet before processing the products.
- Use properly designed engineering controls, such as local ventilation, to limit operating personnel exposures.
- Keep container closed when not in use.
- Do not ingest. Harmful if swallowed.
- If contact with skin occurs, wash affected area immediately with water.

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