**Product Type:** Polymer Thick Film  
**Product Name:** LTC3610

**Low Roughness Silver Conductor**

**Description**

LTC3610 is a general purpose silver conductive ink designed for screen printing. The unique formulation of LTC3610 allows for an extremely smooth print with excellent adhesion to a variety of substrates.

**Key Benefits**

- High conductivity
- Low temperature curing
- Compatible with Heraeus UV dielectrics
- Compatible with Heraeus low temperature resistors (LTR4600)
- Compatible with treated and untreated polyester films

**Recommended Processing Guidelines**

**Printing:**
150 – 325 stainless steel mesh or polyester screen  
0.3 – 0.5 mil emulsion thickness

**Cleaning:**
Clean uncured resin with Acetone or similar solvent.

**Curing:**
80 °C for 20 minutes  
100 °C for 10 minutes  
120 °C for 5 minutes

**Cured Thickness:**
6 – 8 microns

**Recommended Substrates:**
Treated and untreated polyester

**Thinner:**
LC-4124

**Warranty**

Material guaranteed to meet specifications for 3 months from date of shipment.

**Handling & Precautions:**
Use in a well-ventilated area.  
Avoid contact with skin.  
Wash with soap and water.

**Storage**

Refrigerate at 5 °C – 25 °C to ensure proper performance of shelf life.  
Allow paste to come to room temperature prior to opening.  
Spatulate well before using, as settling may occur during storage.

**SPECIAL NOTE:**

Some of these materials may show resistance shifts due to thermal storage. Stability baking has been shown to minimize this behavior.

**Typical Properties**

**Resistivity:**
≤ 15milliohms/square/mil  
when cured at 120 °C for 5 minutes

**Adhesion:**
Cross Hatch Tape Test Method  
PET ≥ 4B cross hatch

**Viscosity:**
30 – 65 Kcps Brookfield RVT  
SC4-14 spindle and 6R utility cup @ 10 rpm, 25 °C

**Mixing:**
Material should be thoroughly mixed prior to use.
Legend:

1) REACH compliant according to the latest ** Annex XIV to Regulation (EC) of the European Parliament and of the council on the Registration, Evaluation, Authorisation and Restriction of Chemicals ("REACH") by European Chemicals Agency and its subsequent amendments; the material does not contain any substance listed in Annex XIV.

2) RoHS compliant according to the latest ** Directives (European Union) of Restriction of Hazardous Substances ("RoHS") and its subsequent amendments (including the exceptions related to Pb).