

## Technical Data Sheet



### THICK FILM MATERIALS

**Product Type:** Polymer Thick Film

**Product Name:** LTC3601

#### Thin Print High Conductivity Silver Conductor

##### Description

LTC3601 is a general purpose high conductivity silver ink for screen printing and flexographic printing onto membrane switches.

##### Key Benefits

- High conductivity
- Compatible with general purpose carbon ink (CL20-10689)
- Compatible with UV dielectric (UVD5801)
- Compatible with UV curable spacer ink (CL99-10691)
- Smooth cured film surface
- Compatible with treated and untreated polyester films

##### Typical Properties

###### Resistivity:

< 15 milliohms/square/mil  
when cured at 110 °C for 10 minutes

###### Adhesion:

Cross Hatch Tape Test Method  
PET ≥ 4B cross hatch

###### Solvent Resistance:

Alcohol/IPA wipe - Good

###### Viscosity:

8 – 20 Kcps Brookfield HBT  
SC4 -14 spindle and 6R utility cup @ 10 rpm, 25 °C

##### Recommended Processing Guidelines

###### Printing:

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

###### Cleaning:

Clean tools and screen resin with Acetone or similar solvent.

###### Curing:

110 °C for 10 minutes  
120 °C for 5 minutes

###### Cured Thickness:

6 – 8 microns

###### Recommended Substrates:

Treated and untreated polyester

###### Thinner:

LC-3568

###### Warranty

Material guaranteed to meet specifications for 4 months from date of shipment in unopened container

###### Handling & Precautions:

Use in a well-ventilated area.  
Avoid contact with skin.  
Wash with soap and water.

###### Storage

Refrigerate at 5 °C – 10 °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.

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#### 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)

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