

Preliminary Data Sheet

THICK FILM MATERIALS

Product Type: Polymer Thick Film

Product Name: LTC3602

Thin Print High Conductivity Silver Conductor

Description

LTC3602 is a general purpose high conductivity silver ink for screen 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 mΩ/□/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 at 10 rpm, 25 °C

Recommended Processing Guidelines

Printing

150 – 325 mesh stainless steel 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 μm

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 and Precautions

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

Storage

Refrigerate at 5 – 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.

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