

Technical Data Sheet



Product Type: Polymer Thick Film

Product Name: LTD5301



Blue Over Coat

Description

LTD5301 is a, screen printable, single component and fast curing coating used for circuit protection and identification. This blue material, when properly cured, yields a chemically inert film which will not react with circuit components. LTD5301 provides excellent adhesion to a variety of substrate materials.

Key Benefits

- REACH¹ and RoHS² compliant
- Screen printable
- Fast curing
- Yields a chemically inert film which will not react with circuit components

Typical Properties

Dielectric Breakdown Voltage:
> 500 volts/mil

Non-Volatile: (1Hr @ 150 °C)
82 – 84 %

Viscosity:
40 – 70 Kcps, Brookfield HBT,
SC4-14 spindle @ 10 rpm, 25 °C

Recommended Processing Guidelines

Printing:

280 – 325 stainless steel mesh or nylon screen
0.5 mil emulsion thickness

Curing:

60 minutes @ 150 °C or
30 minutes @ 200 °C

*Curing LTD5301 above 200 °C will result in discoloration of the cured film. This does not negatively influence any of the properties of the material

Thickness:

3 layers ≥ 40 µm cured film thickness

Thinner:

RV-540

Handling & Precautions:

Use in a well-ventilated area.
In general, avoid contact with skin.
Wash with soap and water.
For cleanup of uncured material, RV-540 is recommended.

Warranty

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

Storage

Store in a dry location at 5 – 25 °C

DO NOT REFRIGERATE.

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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