PRODUCT INFORMATION SHEET

C2141021D4
Silver Top Coat Paste

PRODUCT DESCRIPTION
This product is a Lead free Silver Paste. C2141021D4 is designed as a top coat for Silver Zinc Paste C2140618D2 printed on PTC ceramics.

Product Benefits
This product does not contain lead.

PROCESSING

Screen Printing Equipment
Semi-Automatic, manual

Ink Screen Life
>3 hours

Screen Types
Stainless steel, polyester, mesh156-325 tpi

Typical Drying Conditions
Dry at 120-150°C for 10-15 minutes.

Typical Firing Conditions
A peak temperature between 550 - 625°C is recommended. A dwell time of 10—15 minutes is recommended at Peak Temperature.

Clean Up Solvent
Ethoxy Propanol

Substrate
PTC ceramic discs or plates.

Storage
The product should be kept sealed, in its container, and stored at room temperature (20°C)

Sheet Resistivity
Fired @ 700°C ≤20 mOhms/Square @ 25µm

PHYSICAL PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Specification</th>
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</thead>
<tbody>
<tr>
<td>Solids Content</td>
<td>69.0— 71.0%</td>
</tr>
<tr>
<td>Viscosity</td>
<td>Haake RS1 C20/2º TiL at 230 sec⁻¹ at 25°C. 8.0 - 12.0 Pa s</td>
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<tr>
<td>Coverage</td>
<td>Using a 230 mesh stainless steel screen 150 cm² per g</td>
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SAFETY AND HANDLING
These pastes are intended for industrial use by trained personnel. It is important for workers to avoid overexposure to chemicals contained in these products.

Read the Material Safety Data Sheet (MSDS) and product labels before using the products.

Keep product container closed when not in use to prevent solvent evaporation and spilling hazard.

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