PRODUCT INFORMATION SHEET

C2180423D2
Silver Paste

PRODUCT DESCRIPTION
This product has been developed as part of a range of Heat Curable pastes designed specifically for use in Electro Luminescent systems. This product uses a thermoplastic polymer to give strong, flexible films. This paste has excellent adhesion, chemical and environmental resistance properties.

Product Benefits
Excellent adhesion to ITO, chemical and environmental resistance.

PROCESSING

Screen Printing Equipment
Semi-Automatic, manual

Ink Screen Life
>3 hours

Screen Types
Stainless steel, polyester, mesh 156-325 tpi

Typical Curing Conditions
Box Oven 150°C for 30 minutes.

Clean Up Solvent
Ethoxy Propanol

Substrate
ITO coated polyester.

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

Shelf Life
In a sealed container, stored correctly, the shelf minimum 6 months from despatch.

PHYSICAL PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
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<tbody>
<tr>
<td>Solids Content at 700°C</td>
<td>55.69—57.69%</td>
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<tr>
<td>Viscosity Haake RS 1, C20/2°C at 230 sec⁻¹ at 25°C</td>
<td>7—10 Pa s</td>
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<tr>
<td>Normalised Resistance</td>
<td>Typical 0.025-0.08 Ohms/sq</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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