PRODUCT INFORMATION SHEET

Silver/Silver Chloride Paste 60:40

PRODUCT DESCRIPTION

This product has a ratio of Silver to Silver Chloride of 60/40.

Product Benefits

Applications in Medical Diagnostics, DNA Sensors, Lab on a Chip & Environmental Sensors

PROCESSING

Screen Printing Equipment
  Semi-Automatic, manual

Ink Screen Life
  >3 hours

Screen Types
Polyester, mesh 156 to 230 tpi
Note: Stainless Steel mesh is not recommended, since a paste component can become corrosive in the presence of moisture. Also, plastic palette knives should be used instead of metal knives.

Typical Drying Conditions
Dry at 60°C for 30 minutes or 80°C for 10 minutes in a box oven.

Clean Up Solvent
Ethoxy Propanol

Substrate
Polyester, PVC, Polycarbonate and alumina.

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 life is minimum 3 months from despatch.

PHYSICAL PROPERTIES

<table>
<thead>
<tr>
<th>Solids Content at 130°C</th>
<th>81.14 - 83.14%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Viscosity Haake RS1 C20/2° TiL at 230 sec⁻¹ at 25°C</td>
<td>3.5—7.0 Pa s</td>
</tr>
<tr>
<td>Coverage Using a 230 mesh stainless steel screen</td>
<td>Typical—220 cm² per g</td>
</tr>
</tbody>
</table>

PHYSICAL PROPERTIES PRINTED ON ALUMINA SUBSTRATES

<table>
<thead>
<tr>
<th>Sheet Resistivity</th>
<th>Printed through 230 stainless steel mesh with 13 micron emulsion</th>
<th>&lt; 3Ω/square @ 25μm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cured Thickness</td>
<td>Printed through 230 stainless steel mesh with 13 micron emulsion</td>
<td>Typical—16 microns</td>
</tr>
</tbody>
</table>

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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