PRODUCT INFORMATION SHEET

C2090908D1
Gold Paste

PRODUCT DESCRIPTION
C2090908D1 is a screen printable gold paste designed for printing high definition electrodes in sensor applications.

Product Benefits
The paste is designed for firing at high temperatures on ceramic substrates.

PROCESSING

Screen Printing Equipment
Automatic, Semi-Automatic, manual

Ink Screen Life
>3 hours

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

Typical Drying Conditions
120-150°C 10 minutes in a box oven.

Typical Firing Conditions
700°C peak for 10 minutes using a 40-minute cycle.

Clean Up Solvent
Ethoxy Propanol

Substrate
96% alumina or similar ceramic

Storage
The product should be kept sealed, in its original temperature between 15°C to 25°C

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

Diluent/ Thinner
Not recommended

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>80-82 %</td>
</tr>
<tr>
<td>Viscosity</td>
<td>56.0-62.0 Pa s</td>
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<tr>
<td>Coverage</td>
<td>60-70 cm² per g</td>
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<tr>
<td>Sheet Resistivity</td>
<td>&lt; 4 mΩ/square @ 25µm</td>
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<tr>
<td>Cured Thickness</td>
<td>Typical 12 microns</td>
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SAFETY AND HANDLING

These inks 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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