PRODUCT INFORMATION SHEET

C2050804P9
Platinum Polymer Paste

PRODUCT DESCRIPTION
Platinum Paste is a screen printable paste designed for printing working electrodes in electrochemical sensor applications.

Product Benefits
The paste is designed for curing on polymer substrates.

PROCESSING

Screen Printing Equipment
Semi-Automatic, manual

Ink Screen Life
>3 hours

Screen Types
Stainless steel, polyester, mesh 156-230 Counts per inch.

Typical Drying Conditions
80°C/30mins or 130°C/10 -15 minutes in a box oven.

Clean Up Solvent
Ethoxy Propanol

Substrate
Polyester, ceramics, Kapton, etc.

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>
</tr>
</thead>
<tbody>
<tr>
<td>Solids Content at 700°C</td>
<td>83-87%</td>
</tr>
<tr>
<td>Viscosity Haake RSt C20/2º TiL at 230 sec⁻¹ at 25°C.</td>
<td>14-22 Pa s</td>
</tr>
<tr>
<td>Coverage Using a 230 mesh stainless steel screen</td>
<td>32 cm² per g</td>
</tr>
<tr>
<td>Sheet Resistivity Printed through 230 stainless steel mesh</td>
<td>0.59 Ω/square @ 25µm</td>
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<tr>
<td>Cured Thickness Printed through 230 stainless steel mesh, 13micron emulsion.</td>
<td>47 microns</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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