PRODUCT INFORMATION SHEET

C2180329D1
Carbon Paste

PRODUCT DESCRIPTION
This product is designed to be used for screen printed working electrodes. It gives excellent electrochemical performance with good reversibility when using cyclic voltammetry. This is a low viscosity version of C2030519P4

Product Benefits
This paste can be used in conjunction with UV dielectric pastes, for faster drying please see C2000802P2.

PROCESSING

Screen Printing Equipment
Automatic, Semi-Automatic, manual

Ink Screen Life
>3 hours

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

Typical Drying Conditions
For box-oven drying
60°C for 30 minutes or
80°C for 10-15 minutes
For belt-drier ovens
130°C for 10 minutes of element exposure

Clean Up Solvent
Ethoxy Propanol

Substrate
Polyester, PVC, Polycarbonate or 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.

PHYSICAL PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
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<tbody>
<tr>
<td>Solids Content at 130°C</td>
<td>39.0 - 43.0 %</td>
</tr>
<tr>
<td>Viscosity</td>
<td>2.0 - 5.8 Pa s</td>
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<tr>
<td>Coverage</td>
<td>315 cm² per g</td>
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<tr>
<td>Sheet Resistivity</td>
<td>Below 75 ohms/square @ 25µm</td>
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<tr>
<td>Cured Thickness</td>
<td>Typical—16 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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