**PRODUCT INFORMATION SHEET**

**D2120521D1**

**White EL Dielectric Paste**

**PRODUCT DESCRIPTION**

This product is part of a range of Heat Curable Pastes designed specifically for use in **Electro Luminous** systems. These products are based on a unique curing process that results in the low temperature formation of a thermosetting polymer. This paste has excellent adhesion, chemical and environmental resistance properties.

**Product Benefits**

This paste has been designed to be printed at high speed. This paste has good edge definition when printed at high speed. 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 Drying Conditions**

Belt Dryer 130°C for 3 minutes.
Box Oven 130°C for 10 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>Colour</th>
<th>White</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Solids Content</strong></td>
<td>at 150°C</td>
</tr>
<tr>
<td></td>
<td>73.6 - 74.6%</td>
</tr>
<tr>
<td><strong>Viscosity</strong></td>
<td>Haake RS 1, C20.2° at 230 sec⁻¹ at 25°C.</td>
</tr>
<tr>
<td><strong>Coverage</strong></td>
<td>1st Layer, 2nd Layer</td>
</tr>
<tr>
<td></td>
<td>Using a 230 mesh stainless steel screen</td>
</tr>
<tr>
<td></td>
<td>167 cm² per g</td>
</tr>
<tr>
<td></td>
<td>* 169 cm² per g</td>
</tr>
</tbody>
</table>

**PHYSICAL PROPERTIES PRINTED ON POLYESTER FILM**

<table>
<thead>
<tr>
<th>Cured film thickness</th>
<th>Double layer on 175µ ITO coated Polyester</th>
<th>20 microns</th>
</tr>
</thead>
</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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