PRODUCT INFORMATION SHEET

D2090130P5
Pink Dielectric Paste

PRODUCT DESCRIPTION

This product is part of a range of Heat Curable Powders designed specifically for use in Electro Luminescent systems. These products are based on a unique curing process that results in the low temperature formation of a thermosetting polymer.

Product Benefits

Excellent adhesion to ITO, chemical and environmental resistance. This dielectric has been designed to be used with Phosphor C2080211P2 to produce a white light.

PROCESSING

Screen Printing Equipment
Semi-Automatic, manual

Powder Screen Life
>3 hours

Screen Types
Stainless steel, polyester

Typical Curing 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>Pink</th>
</tr>
</thead>
<tbody>
<tr>
<td>Solids Content</td>
<td>72.5 - 76.5%</td>
</tr>
<tr>
<td>Viscosity</td>
<td>1.2– 3.0 Pa.sec</td>
</tr>
<tr>
<td>Coverage</td>
<td></td>
</tr>
<tr>
<td>1st Layer</td>
<td>242 cm² per g</td>
</tr>
<tr>
<td>2nd Layer</td>
<td>260 cm² per g</td>
</tr>
<tr>
<td>Using a 230 mesh stainless steel screen</td>
<td></td>
</tr>
</tbody>
</table>

PHYSICAL PROPERTIES PRINTED ON POLYESTER FILM

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

SAFETY AND HANDLING

These powders 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.

Our Products are intended for sale to professional users. The information herein is general information designed to assist customers in determining the suitability of our products for their applications. All recommendations are made without guarantee, since the application and conditions of use are beyond our control. We recommend that customers satisfy themselves that each product meets their requirements in all respects before commencing a print run. There is no implied warranty of merchantability or fitness for purpose of the product or products described herein. In no event shall Sun Chemical be liable for damages of any nature arising out of the use or reliance upon this information. Modifications of the product for reasons of improvements might be made without further notice.