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 or Sericol

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 life is minimum 6 months from despatch.

Diluent/ Thinner
Not recommended.

PHYSICAL PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Colour</td>
<td>Pink</td>
</tr>
<tr>
<td>Solids Content at 150°C</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>
</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

Issued by Gwent Group March 2018
Issue 6

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.

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SunChemical
a member of the DIC group
Incorporating:

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D2090130P5
Pink Dielectric Powder

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COLOR
Pink

SOLIDS CONTENT
72.5 - 76.5%

VISCOITY
Haake RS1 C20/2º TiL at 230 sec⁻¹ at 25°C.
1.2 – 3.0 Pa.sec

COVERAGE
1st Layer
242 cm² per g
2nd Layer
Using a 230 mesh stainless steel screen
260 cm² per g

PHYSICAL PROPERTIES PRINTED ON POLYESTER FILM

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