PRODUCT INFORMATION SHEET

R2160404D1
Binder for phosphor inks

PRODUCT DESCRIPTION
This product is part of a range of Heat Curable Inks designed specifically for use in Electro Luminescent systems. Phosphor Inks containing these polymers combine excellent chemical, environmental with good flexibility to ITO.

Product Benefits
This polymeric binder is offered as a raw material to those customers wishing to compound their own phosphor inks. This binder offers improved thixotropy, to better suspend phosphor particles and is more stable at rest.

PROCESSING

Screen Printing Equipment
Semi-Automatic, manual

Ink 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 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>37.5-40.0%</td>
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<tr>
<td>Viscosity</td>
<td>0.30—0.50 Pa s</td>
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<tr>
<td>Dielectric Constant</td>
<td>1700</td>
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SAFETY AND HANDLING
These inks 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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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.