



<b>C2070209P5</b>
<b>High Brightness Phosphor Paste (Green)</b>

### PRODUCT DESCRIPTION

This product is part of a range of Heat Curable Pastes 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. This paste has excellent adhesion, chemical and environmental resistance properties.

#### Product Benefits

Excellent adhesion to ITO, chemical and environmental resistance.

### PROCESSING

Pastes must be rolled for 4 - 6 hours prior to use (i.e. using a Rock 'n' Roll mixer or a Tumbler mixer) to ensure product is homogenous.

**Stirring with metal implements could damage the product.**

#### Screen Printing Equipment

Semi-Automatic, manual

#### Paste Screen Life

>3 hours

#### Screen Types

Up to 156 tpi 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

<b>Phosphor Colour</b> When switched on	Green
<b>Luminance (Phosphor powder)</b> 24Hrs /cdm <sup>2</sup>	73.9
<b>Solids Content</b> at 150°C	79.0—82.0%
<b>Viscosity</b> Haake RS 1, C20/2° at 230 sec <sup>-1</sup> at 25°C.	1.5—2.50 Pa s
<b>Coverage</b> Using a 156 mesh polyester screen	120 cm <sup>2</sup> per g

### PHYSICAL PROPERTIES PRINTED ON POLYESTER FILM

<b>Cured film thickness</b> Printed on 175µ ITO coated Polyester	30 microns
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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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All values reported here are results of experiments conducted in our laboratories and are intended to illustrate the products performance. They are not intended to represent the products specifications