



C2180704D2
Blue/Green Phosphor Paste
DEVELOPMENT

PRODUCT DESCRIPTION

This product has been developed as part of a range of Heat Curable Inks designed specifically for use in **Electro Luminescent** systems. This product uses a thermoplastic polymer to give strong, flexible films.

Product Benefits

High brightness. Excellent adhesion to ITO, chemical and environmental resistance. This product can also be moulded and thermoformed, suitable for 3D in-mould electronics (IME). You can build 3D shaped EL lamps in conjunction of C2180423D2 Flexible Silver Paste, C2100629D1 Transparent Conductive Paste and D2180423D3 White Dielectric Paste.

PROCESSING**Screen Printing Equipment**

Semi-Automatic, manual

Ink 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

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 12 months from despatch.

Diluent/ Thinner

Not recommended

PHYSICAL PROPERTIES

Phosphor Colour When switched on	Blue/Green
Luminance (Phosphor powder) 24Hrs /cdm ²	155-170
Solids Content at 150°C	65.0% – 69.0%
Viscosity Haake RS1 C20/2° at 230 sec ⁻¹ at 25°C.	5 - 8 Pa s

PHYSICAL PROPERTIES PRINTED ON POLYESTER FILM

Cured film thickness Printed on 175µ ITO coated Polyester	30 microns
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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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