



C2180627D3
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

Excellent adhesion to ITO, chemical and environmental resistance.

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	Green
Luminance (Phosphor powder) 24Hrs /cdm ²	73.9
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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