



D2070209P6

White EL Dielectric Paste

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

Screen Printing Equipment

Semi-Automatic, manual

Paste Screen Life

>3 hours

Screen Types

Stainless steel, polyester, mesh 156 –325 tpi

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

Colour	White
Solids Content at 150°C	73.5 - 76.5%
Viscosity Haake RS1 C20/2° TiL at 230 sec ⁻¹ at 25°C.	1.4 - 3.2 Pa s
Coverage 1st Layer 2nd Layer Using a 230 mesh stain- less steel screen	242 cm ² per g * 260 cm ² per g

* Note: See EL Lamp Brochure for further details

PHYSICAL PROPERTIES PRINTED ON POLYESTER FILM

Cured film thickness Double layer on 175µ ITO coated Polyester	20 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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