

PRODUCT INFORMATION SHEET

C2180423D2

Flexible Silver Paste

PRODUCT DESCRIPTION

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

This paste has excellent adhesion, chemical and environmental resistance properties.

Product Benefits

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 EL Lamps with D2180423D3 White Dielectric Paste, C2100629D1 Transparent Conductive Paste and our range of high bright IME phosphor pastes.

PROCESSING

Screen Printing Equipment

Semi-Automatic, manual

Ink Screen Life

>3 hours

Screen Types

Stainless steel, polyester, mesh 156-325tpi

Typical Curing Conditions

Box Oven 150°C for 30 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 minimum 12 months from despatch.

PHYSICAL PROPERTIES

Solids Content at 700°C	55.69—57.69%
Viscosity Haake RS 1, C20/2° TiL at 230 sec ⁻¹ at 25°C.	7 - 10 Pa s
Normalised Resistance Electrical Resistance normalised to 25µm	Typical 0.025-0.08 Ohms/sq

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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