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

<table>
<thead>
<tr>
<th>Physical Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Solids Content at 700°C</td>
<td>57—59.75%</td>
</tr>
<tr>
<td>Viscosity Haake RS1 C20/2º TiL at 230 sec⁻¹ at 25°C.</td>
<td>6.5 - 8.5 Pa.s</td>
</tr>
<tr>
<td>Coverage Using a 230 mesh stainless steel screen</td>
<td>Typical 150 cm² per g</td>
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</tbody>
</table>

Cured film thickness On 175µ ITO coated Polyester
Typical 10 microns

Sheet Resistance Normalized at 25µm
100mΩ/Square

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