

PH-745

Polymer Thick Film

Description

PH-745 is designed to be mixed with microencapsulated phosphor powder to produce screen printable pastes suitable for printing uniform layers of phosphor inks in electroluminescent (EL) panels.

Key Features

- Excellent wet out capabilities to allow for dispersion of large amounts of powder using low shear mixing processes
- Excellent flexibility, toughness and resistance to water and oxygen
- Outstanding adhesion to indium tin oxide (ITO) surfaces, and is compatible with our BT-101 barium titanate dielectric
- Allows the screen printer to blend phosphor ink as needed, avoiding issues with shelf life and damage to phosphor particles when remixing material that has been stored for long periods



This picture does not show the packaging of PH-745 and is solely intended for illustration purposes. The products are available in different packaging configurations and may change over time. Please refer to the latest safety data sheets for safety-relevant pictograms

Typical Properties

Viscosity	N/A
Solids	25% ± 1%
Color	Clear
95% Max Particle Size	<2 µm, hegman

Recommended Processing Guide

Printing Parameters	Polyester Mesh (157 to 230 TPI) Steel Mesh (165 to 325 TPI)
Drying Temperature	100-130°C
Film Thickness	12-25 µm DFT
Paste Compatibility	Compatible with all PriElex products

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Warranty

6 months

Storage

Ambient storage, mix well prior to use

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