

C2100303D2
Aluminium Paste

PRODUCT DESCRIPTION

This product has been designed as a low temperature fireable aluminium paste. It is a screen printing ink for coating barium titanate PTC ceramic substrates.

Product Benefits

- Fast, low cost manufacturing.

PROCESSING

Screen Printing Equipment

Semi-Automatic, manual

Ink Screen Life

>3 hours

Screen Types

Stainless steel, polyester, mesh 156-325 tpi

Typical Drying Conditions

Dry at 150°C for 10-15 minutes in a box oven.

Typical Firing Conditions

The firing temperature is related to the properties of the ceramic. Typically it should be fired at temperatures of 700°C - 720°C

Clean Up Solvent

Ethoxy Propanol

Substrate

Barium Titanate PTC ceramic parts.

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

S60118D3

PHYSICAL PROPERTIES

Solids Content Theoretical Al content Theoretical Ag content	52% 2%
Viscosity Haake RS 1, C20/2° at 230 sec ⁻¹ at 25°C.	13.00 - 17.00 Pa s
Coverage Using a 230 mesh stain- less steel screen	316 cm ² per g

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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