



C2030217P2
Aluminium for PTC paste

PRODUCT DESCRIPTION

Aluminium Ink designed to give good ohmic contact on to barium titanate PTC components.

Product Benefits

This product is particularly good where large volumes of PTC components are being processed in belt furnaces conditions, where improved stain resistance and good visual appearance are required.

PROCESSING

Screen Printing Equipment

Semi-Automatic, manual

Ink Screen Life

>3 hours

Screen Types

Stainless steel, polyester

Typical Drying Conditions

Dry at 150°C for less than 10 - 15 minute.

Typical Firing Conditions

A typical peak firing temperature should be between 780 to 910 °C.

Clean Up Solvent

Ethoxy Propanol or Sericol

Substrate

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 at 150°C	67-72%
Viscosity Haake VT550, PK1.1° at 230 sec ⁻¹ at 25°C.	10.5-14.0 Pa S
Coverage Using a 230 mesh stainless steel screen	227 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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All values reported here are results of experiments conducted in our laboratories and are intended to illustrate the products performance. They are not intended to represent the products specifications

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