

Technical Data Sheet

THICK FILM MATERIALS

Product Type: Component Metallizations

Product Name: A3788A



Platinum Conductor

Description

A3788A is a reactive (metal oxide) bonded platinum paste, which fires to a dense platinum surface. A3788A has a rheology suitable for brushing.

Key Benefits

- Reactive bond paste
- Can be used on Alumina, Zirconia or Titania bodies
- Pb free
- REACH¹ and ROHS² compliant

Typical Properties

Colour

Black paste

Viscosity

15 – 20 Kcps Brookfield RVT
SC4 – 14 spindle, 6R utility cup at 50 rpm, 25 °C

% Solids

63.0 ± 1.0 %

FOG

≤ 10 µm (at 4th streak)

Recommended Processing Guidelines

Printing

280 mesh stainless steel screen
0.5 mil emulsion

Thicknesses:

Wet: 23 – 27 µm
Dried: 10 – 14 µm
Fired: 5 – 9 µm

Coverage

120 cm²/g at 7 µm fired film thickness

Drying

125 °C peak temperature
15 minutes at peak temperature

Firing

850 – 1100 °C peak temperature
Dwell time of 9 – 11 minutes

Thinner:

RV-372 (Terpineol)

Warranty:

Material guaranteed to meet specifications for 3 months from date of shipment.

Storage:

Store in a dry location at 5 – 25 °C.

DO NOT REFRIGERATE.

Allow paste to come to room temperature prior to opening.
Spatulate well before using, as settling may occur during storage.

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Legend:

1) REACH compliant according to the latest * Annex XIV to Regulation (EC) of the European Parliament and of the council on the Registration, Evaluation, Authorisation and Restriction of Chemicals ("REACH") by European Chemicals Agency and its subsequent amendments; the material does not contain any substance listed in Annex XIV.

2) RoHS compliant according to the latest * Directives (European Union) of Restriction of Hazardous Substances ("RoHS") and its subsequent amendments (including the exceptions related to Pb)

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