

Technical Data Sheet

THICK FILM MATERIALS

Product Type: Component Metallizations

Product Name: A4338A



Platinum Conductor

Description

A4338A is an unfritted platinum paste, which fires to a pure platinum surface. A4338A has a rheology suitable for brushing.

Key Benefits

- Unfritted platinum paste
- Can be used on Alumina, Zirconia or Titania bodies
- Pb free
- ROHS¹ compliant

Typical Properties

Metal Type

Platinum

Colour

Black paste

Viscosity

15 – 20 Kcps Brookfield RVT

SC4 – 14 spindle, 6R utility cup at 10 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: 19 – 23 µm

Dried: 8 – 12 µm

Fired: 4 – 8 µm

Coverage

210 cm²/g at 6 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-252

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) 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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