

Component Metallizations

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
- Pb Free
- Can be used on Alumina, Zirconia or Titania bodies

● **Typical Properties:**

Metal Type:

Platinum

Color:

Black paste

Viscosity:

922 – 1410 cps,
Brookfield RVT, SC4-14
spindle and 6R utility cup @ 100 rpm, 25°C

% Solids:

64.4 % ± 1.5%

FOG:

< 11 microns (at 4th streak)

● **Recommended Processing Guidelines:**

Printing:

280 mesh stainless steel screen.
0.5 mil emulsion

Thicknesses:

Wet: 19 - 23 microns
Dried: 8 - 12 microns
Fired: 4 - 8 microns

Coverage:

210 cm²/gram

Drying:

125°C peak temperature
15 minutes at peak temperature

Firing:

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

Thinner:

RV-352 (Butyl Carbitol Acetate)

Warranty:

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

Storage:

Store in a dry location at 5°C-25°C.
DO NOT REFRIGERATE.
Allow paste to come to room temperature
prior to opening.
Spatulate well before using.

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The descriptions and engineering data shown here have been compiled by Heraeus using commonly-accepted procedures, in conjunction with modern testing equipment, and have been compiled as according to the latest factual knowledge in our possession. The information was up-to date on the date this document was printed (latest versions can always be supplied upon request). Although the data is considered accurate, we cannot guarantee accuracy, the results obtained from its use, or any patent infringement resulting from its use (unless this is contractually and explicitly agreed in writing, in advance). The data is supplied on the condition that the user shall conduct tests to determine materials suitability for a particular application.

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