

Technical Data Sheet

THICK FILM MATERIALS

Product Type: Component Metallizations

Product Name: 6926



Platinum Conductor

Description

6926 is an unfritted platinum paste, which fires to a pure platinum metal surface. 6926 has a rheology suitable for brushing.

Key Benefits

- Fritless paste
- Pure Pt fired surface
- Can be used on Alumina, Zirconia or Titania bodies
- Pb free
- REACH¹ and ROHS² compliant

Typical Properties

Colour:

Dark gray / black paste

Viscosity:

5500 – 8250 cps Brookfield RVT
SC4 – 14 spindle, 6R utility cup at 50 rpm, 25 °C

FOG:

≤ 12 µm (4th streak)

Recommended Processing Guidelines

Printing:

280 mesh stainless steel screen
0.5 mil emulsion

Thicknesses:

Wet: 21 – 25 µm
Dried: 11 – 15 µm
Fired: 5 – 9 µm

Coverage:

195 cm²/g

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

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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