

Technical Data Sheet

THICK FILM MATERIALS

Product Type: Dielectrics

Product Name: IP9036A



Resistor Overglaze (Green)

Description

IP9036A is a Pb, Cd and Ni free with green color for optimum laser trim characteristics. IP9036A was developed for large area printing and chip resistor applications where excellent resistance to plating solutions is needed. IP9036A is compatible with C8727, C8729 and other Heraeus conductors and the R8900 series resistors.

Key Benefits

- REACH¹ and ROHS² compliant
- Minimizes resistance shift on refire
- Excellent plating solution resistance
- Pinhole free
- Single coat application

Typical Properties

Coverage

160 cm²/g at 10 μm fired film thickness

Viscosity

60 – 120 Kcps, Brookfield HBT, SC4-14 spindle and 6R utility cup at 10 rpm, 25 °C

Solids

79.0 ± 1.0 %

Recommended Processing Guidelines

Printing

280 mesh stainless steel screen
0.5 mil emulsion
1.1 mil wire

Drying

Allow to level for 10 minutes before drying
150 °C for 10 minutes

Firing

600 - 620 °C peak temperature
Dwell time of 4 – 6 minutes

Thickness

Dried: 20 – 22 μm
Fired: 8 – 12 μm

Thinner

RV-507

Warranty

Material guaranteed to meet specifications for 6 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)

* See the data sheet issue date (DD/MM/YY) as reference of validity of latest edition which is available on request

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