

## **Technical Data Sheet**



# Product Type: Dielectrics Product Name: IP9038A



Pb and Cd Free Resistor Overglaze

## Description

IP9038A is a Pb, Cd and Ni free green overglaze designed for printing and firing over thick film resistors. IP9038A provides improved trimmed resistor stability and environmental protection.

IP9038A has been proven to withstand plating solutions. IP9038A has excellent process insensitivity and is compatible with all Heraeus air-fireable resistor series.

IP9038A is available in white as well (IP9038White).

## Key Benefits

- Minimizes resistance shift on refire
- Pinhole free
- Single coat application
- Resistant to plating solutions

## **Typical Properties**

#### Coverage

160 cm²/g at 10  $\mu m$  fired film thickness

#### Viscosity

140 – 180 Kcps, Brookfield HBT, SC4-14 spindle and 6R utility cup at 10 rpm, 25 °C

**Solids** 75.0 ± 2.0 %

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## Recommended Processing Guidelines

#### Printing

280 – 325 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

 $500 \degree C (6 - 8 \text{ minutes})$  Dwell time 520  $\degree C (4 - 6 \text{ minutes})$  Dwell time

#### Thickness

Dried: Fired:

### Thinner

RV-372

#### Warranty

Material guaranteed to meet specifications for 6 months from date of shipment.

 $\frac{18-22}{10}\,\mu\text{m}$ 

#### 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.

## China

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