

Dielectric

IP9038



Pb and Cd Free Resistor Overglaze

Description:

IP9038 is a lead, cadmium and nickel free green overglaze designed for printing and firing over thick film resistors. IP9038 provides improved trimmed resistor stability and environmental protection. IP9038 has excellent process insensitivity and is compatible with all Heraeus air-fireable resistor series.

● Key Benefits:

- Pb and Cd free
- Minimizes resistance shift on refire
- Pinhole free
- Single coat application

● Typical Properties:

Coverage:

160 cm²/g @ 10 microns F.F.T. thick

Viscosity:

80 - 120 Kcps
Brookfield HBT, SC4-14 spindle
and 6R utility cup @ 10 rpm, 25°C.

Solids:

75 ± 2%

● Recommended Processing Guidelines:

Printing:

280 - 325 mesh 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°C (6-8 minutes) Dwell time
520°C (4-6 minutes) Dwell time

Thickness:

Dried: 18-22 microns
Fired: 10-12 microns

Thinner:

Heraeus RV-372 (Terpineol)

Warranty:

Material guaranteed to meet specifications for 6 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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