

Conductors

C7229V

Copper Via Fill

Description:

C7229V is a screen printable, mixed bond via fill. It is compatible with the Heraeus IP9X19 series of nitrogen fireable dielectrics and C7257 copper conductor.

● Key Benefits:

- Outstanding adhesion to dielectric
- Excellent surface coplanarity
- Good conductivity

● Typical Properties:

Resistivity:

≤ 15 milliohms per square
at 25 microns fired film thickness

Coverage:

75 cm²/g

Viscosity:

35-65 Kcps; Brookfield HBT,
SC4-14 spindle and 6R utility cup
@ 10 rpm, 25°C.

Solids:

82.5 ± 1.0 %

● Recommended Processing Guidelines:

Printing:

200 mesh stainless steel screen
0.5 mil emulsion
1.6 mil wire

Drying:

Dry at 110-125°C for 10 minutes

Firing:

900°C peak temperature
Dwell time of 9 to 11 minutes.
Typical rise time of 20-23 minutes
(measured for 100°C entry point)
Total cycle time of 50-65 minutes
Oxygen content: 1-5 ppm

Thickness:

Fired: 20-35 microns

Thinner:

RV-507. (Texanol ®)

Compatibility:

Conductor: C7257
Dielectrics: IP9119, IP9219, IP9319

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.

CS0609.7

Conductor Pastes

C7229V

Copper Via Fill

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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