

Component Metallization

M637C



Pt Internal Electrode

M637C is a pure platinum buried electrode. It fires to a dense internal layer, without mismatch, to a variety of co fired multilayer structures.

M637C is supplied with a clean burnout organic system, specifically formulated to reduce vertical delaminations.

- **Key Benefits:**

- Inert metal system
- Pb Free

- **Typical Properties:**

Metal type:
Platinum

Viscosity:
62 – 68 Kcps, Brookfield RVT,
SC4-14 spindle and 6R utility cup
@ 10 rpm, 25°C.

Solids:
75.0 ± 1.0%

FOG:
Less than 8 microns (@ 50% point)

- **Recommended Processing Guidelines:**

Printing:
325 mesh screen
0.5 mil emulsion
1.1 mil wire.

Drying:
120°C
5 minutes

Firing:
1320°C (maximum)

Thinner:
RV-069 (Aromatic 150)

Warranty:
Material guaranteed to meet specifications
for 3 months from date of shipment.

Storage:
Store in a dry location at 5°C-25°C.
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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