

IP2106

Dielectric / Glaze

Description

IP2106 is a lead free, screen printable overglaze paste for different purposes, especially for protecting thick film resistors or conductors. Because of the high firing temperature it fires to a colorless, transparent film and very dense glaze which is highly passivated to withstand abrasion and aggressive media occurring in plating processes.

Key Features

- Extremely resistant vs plating solutions eg. Ni baths with pH values of 4 – 5 and H2SO4 baths with pH values < 1. It is also resistant to alkaline solutions with pH value of ≤ 9 Excellent compatibility with different HERAEUS resistors and conductors on alumina and dielectrics



This picture does not show the packaging of IP2106 and is solely intended for illustration purposes. The products are available in different packaging configurations and may change over time. Please refer to the latest safety data sheets for safety-relevant pictograms.

Typical Properties

| | |
|-----------|-------------------------------|
| Viscosity | 20 – 40 Pas (23 °C, D = 33/s) |
| Solids | 70.0 ± 1.0 % |
| Blendable | |
| Coverage | |
| Color | Clear, transparent |

Recommended Processing Guide

| | |
|---------------------------|---|
| Printing Parameters | Print through 200 – 325 mesh stainless steel screen. |
| Printing Speed | |
| Leveling | |
| Drying Temperature | Dry at 150 °C for 10 minutes. |
| Process Temperature (TDS) | Fire at 850 °C (peak) for 10 – 12 minutes, and with a total firing cycle time of c. 30 – 60 minutes |
| Film Thickness | |
| Recommended Thinner | HVS 507 |
| Paste Compatibility | Dielectrics IP 9117 Series IP 9227 Conductors Ag C 8729H C 1075S (LPA 409-021) AgPt C 4728H C 1076SD (LPA 609-022) Au C 5729 Resistor R 2100 Series |

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Warranty

6 months

Storage

store in a dry, cool (5 – 25 °C) and dark place with container tightly shut

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