C4303GSD

Conductor

Description

C4303GSD is a screen printable 2.1:1 Ag/Pd conductorpaste which exhibits a high density, high reliability and good fine line resolution.It fires to a smooth surface and is mechanically durable and chemically resistant. Hence it is a frequently preferred material for e.g. fuel sensors

Key Features

- Excellent conductivity, leach resistance and resistance to silver migration

This picture does not show the packaging of C4303GSD 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	
Conductivity	≤ 45 milliohms/square (FFT: 12 um)
Viscosity	30 – 45 Pas (25 °C, D = 100/s)
Solids	81.0 % ± 1.5 %
Alloy Ratio	2.1 : 1
Metal	AgPd

Recommended Processing Guide	
Printing Parameters	a 200 – 325 mesh stainless steel screen. Total thickness: 50 – 110 µm
Printing Speed	Up to at least 20 cm / s
Drying Temperature	Level at room temperature for 5 – 10 minutes. Dry at 150°C for 10 – 20 minutes
Process Temperature (TDS)	Fire at 850 °C (peak) for 10 minutes, and with a total firing cycle time of c. 30 – 60 minutes
Film Thickness	9.0 – 13.0 µm
Recommended Thinner	HVS-100 RV-372
Paste Compatibility	Overglazes: IP 9025 Series Resistors: R 8900 Series R 8900 (WP 09-XY) Series

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Warranty

12 months

Storage

Store in a dry and cool condition at 2 – 23 °C in a dark place with container tightly shut,

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All changes are based on information displayed using the template data_sheet/HET/TFM/print_data_sheet.html.twig.
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