

C6012

Conductor

Description

C6012 is a screen printable, solderable Gold/Palladium/Platinum conductor paste for fuel sensor applications. C6012 is optimized in hardness and surface density. It shows excellent printability resulting in high line definition and smooth surface under various drying conditions.

Key Features

- Most suitable material for low sulphur fuel application because of absence of silver Very smooth fired surface which exhibits very durable mechanical resistance and chemically extremely resistant Solderable with customary solder alloys



This picture does not show the packaging of C6012 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	≤ 85 milliohms/square (FFT: 10 μm)
Viscosity	70 – 90 Pas (25 °C, D = 50/s)
Solids	85.0 % ± 1.0 %
Coverage	c. 65 cm ² /g (at FFT 10 μm)
Metal	AuPtPd

Recommended Processing Guide

Printing Parameters	Print through a 200 - 325 mesh stainless steel screen. 0.03 – 0.04 mm Ø wire and 20 – 30 μm emulsion. Level at room temperature for 10 minutes.
Drying Temperature	Dry at max. 150 °C for 8 – 10 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	7.5 – 11.5 μm
Recommended Thinner	HVS 100 ,HVS 252

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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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