

DC430-202

Conductor

Description

DC 430-202 is a fritted Gold / Palladium (60 / 40) conductor designed for screen printing. Typical applications are those where silver-bearing conductors cannot be used, due to risk of silver migration.

Typical Properties

Viscosity	40 – 80 Pa·s (25°C, D = 75 s ⁻¹)
Solids	82.0 ± 2.0%
Resistivity	≤ 150 mΩ / □ (FFT: 8 µm)

Key Features

- Suitable replacement for Au/Pt or pure Au, where high conductivity is not the prime requirement



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Recommended Processing Guide

Printing Parameters	200 – 325 mesh stainless steel screen. Total thickness: 50 – 110 µm
Printing Speed	Up to at least 10 cm / s
Drying Temperature	125 - 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	8.5 – 11.5 µm
Line Definition	≥ 100 µm
Recommended Thinner	Heraeus HVS 100

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Warranty

Material guaranteed to meet specifications for 6 months from date of manufacturing with proper storage.

Storage

Store in a dry, cool (5 - 25°C), dark place with container tightly shut. Allow paste to come to room temperature prior to opening. Spatulate well before using.

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