

PC10136

Component Metallization

Description

PC10136 is a frit bonded gold conductor designed for printing onto a variety of ceramic substrates including NTC thermistors, PZT and alumina.

Key Features

- Formulated for a variety of substrates Frit bonded material Screen printable



Typical Properties

Viscosity	190 – 240 kcps, Brookfield HBT SC4-14 spindle & 6R utility cup @ 10 rpm , 25°C
Coverage	70 – 75 cm2 /g at 50 µm wet film thickness
Resistivity	≤ 3.0 mΩ/□ at 25 µm fired film thickness

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Recommended Processing Guide

Printing Parameters	200 – 325 mesh stainless steel screen 0.5 mil emulsion thickness Allow parts to level at room temperature for 10 – 15 minutes before drying, but parts should be dried as soon as possible after levelling to prevent skinning, which can compromise adhesion. Wet parts should be covered if not dried right away.
Printing Speed	Up to 25 cm/sec (10 in/sec)
Drying Temperature	150 °C for 10 minutesMake sure ventilation is sufficient to prevent the wet film from skinning
Process Temperature (TDS)	750 – 850 °C peak temperature Dwell time of 5 – 10 minutes at peak
Film Thickness	11 – 13 µm
Recommended Thinner	Heraeus RV-507

Americas

Phone +1 610 825 6050

electronics.americas@heraeus.com

Asia Pacific

Phone +65 6571 7649

electronics.apac@heraeus.com

China

Phone +86 53 5815 9601

electronics.china@heraeus.com

Europe, Middle East and Africa

Phone +49 6181 35 4370

electronics.emea@heraeus.com

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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 location at 5 – 25°C. DO NOT REFRIGERATE. Allow paste to come to room temperature prior to opening. Spatulate well before using, as settling may occur during storage.

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