

PC10391

Conductor

Description

PC10391 is a high glass content gold conductor. PC10391 is used in sensor applications and provides a dense fired film.

Key Features

- Optimized for sensor applications Excellent printing properties High glass content paste



Typical Properties

Viscosity	190 – 240 kcps, Brookfield HBT, SC4-14 spindle & 6R utility cup @ 10 rpm, 25°C
Solids	87.0 ± 2.0%
Resistivity	≤ 3 milliohms per square at 25 microns fired film thickness

Recommended Processing Guide

Printing Parameters	325 stainless steel mesh screen 0.5 mil emulsion Allow parts to level for 10 – 15 minutes before drying, but parts should be dried as soon as possible after leveling to prevent skinning, which can compromise adhesion. Wet parts should be covered if not dried right away.
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Recommended Processing Guide (continued)

Drying Temperature	150°C for 10 minutes Make sure ventilation is sufficient to prevent the wet film from skinning.
Process Temperature (TDS)	850°C peak temperature Dwell time of 10 minutes at peak Total cycle time of 45 - 60 minutes
Film Thickness	8-14 microns
Recommended Thinner	Heraeus RV-507

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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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