

CL40-9056

Conductor

Description

CL40-9056 is a plateable Pd/Ag Conductor paste which exhibits high density, high reliability and good fine line definition, (5mil lines and spaces). It fires to a smooth surface and is mechanically durable and chemically resistant. CL40-9056 was designed to withstand Ni and Sn/Sn-Pb plating baths.

Key Features

- Plateable Smooth fired surface Excellent solderability and leach resistance



Typical Properties

Viscosity	180 – 240 kcps, Brookfield HBT, SC4-14 spindle & 6R utility cup @ 10 rpm, 25°C
Solids	82.0 ± 2.0%
Resistivity	≤ 50 milliohms/sq @ 12 microns fired film thickness
Solder Leaching	62Sn/36Pb/2Ag @ 230°C RMAflux, 5 sec. dip 100%

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Recommended Processing Guide

Printing Parameters	280-325 stainless steel mesh screen 0.5 mil emulsion, 1.1 mil wire Let the print level at room temperature for 10 minutes before drying.
Drying Temperature	150°C for 10 minutes
Process Temperature (TDS)	850°C peak temperature Dwell time fir 10 minutes Total cycle time of 30-60 minutes.
Film Thickness	10-12 microns
Line Definition	≥ 5 mils (125 microns)
Recommended Thinner	Heraeus RV-372

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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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