

C4310

Conductor

Description

C4310 is a 6/1 Ag/Pd fritted conductor which exhibits excellent solder acceptance, leach resistance and aged adhesion. C4310 has been specifically formulated for use on dielectric.

Key Features

- Wide processing parameters High adhesion on dielectric Excellent reflow stability



Typical Properties

Viscosity	190-250 kcps Brookfield HBT, #14 spindle@ 10 rpm, 25°C. _x000D_
Solids	84.6 ±1.0%
Coverage	70 cm2 /g at 14 microns fired film thickness
Resistivity	≤ 20 milliohms per square at 14 microns fired film thickness
Solderability	RMA flux 95Sn/5 Ag 100% 63Sn/37Pb 100% 62Sn/36Pb/2 Ag 100%
Solder Leaching	63Sn/36Pb/2Ag @ 225°C RMA flux 3x10 sec dip ≤ 10% loss

Recommended Processing Guide

Printing Parameters	325 stainless steel mesh screen 0.5 mil emulsion 1.1 mil wire
Drying Temperature	150°C for10 minutes.

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Recommended Processing Guide (continued)

Process Temperature (TDS)	850°C peak temperature Dwell time of 9-11 minutes
Film Thickness	12-16 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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