

C5757AS

Conductor

Description

C5757AS is a mixed-bonded thin print gold conductor specially modified for fine line/space resolution. This formulation is designed to yield fired print thickness in the 4-8 micron range resulting in approximately twice the coverage normally exhibited by comparable performance gold conductor materials.

Key Features

- Thin printing fired film Excellent Coverage



Typical Properties

Viscosity	575-700 kcps, Brookfield HBT, #14 spindle in 4 oz glass jar @ 10 rpm, 25°C.
Solids	77.0 ± 1.0%
Resistivity	≤ 11.0 milliohms per square at 6 microns fired film thickness

Recommended Processing Guide

Printing Parameters	280-325 mesh stainless steel 0.3-0.5 mil emulsion 1.1 mil wire
Drying Temperature	150°C for 10-15 minutes 10 minutes.
Process Temperature (TDS)	850°C peak Dwell time of 9-11 minutes
Film Thickness	Wet 32-34 microns Dried: 10-15 microns Fired: 4-8 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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