

C4303M

Conductor

Description

C4303M Pd/Ag conductor paste exhibits high density, high reliability, and good fine line definition, (5 mil lines and spaces). It fires to a smooth surface and is mechanically durable and chemically resistant. Conductivity, leach resistance, and resistance to silver migration are exceptional. Due to these characteristics, C4303M is a frequently preferred material for fuel sensor applications, particularly in automobiles.

Key Features

- Excellent silver migration resistance Smooth fired surface Excellent solderability and leach resistance



This picture does not show the packaging of C4303M and is solely intended for illustration purposes. The products are available in different packaging configurations and may change over time. Please refer to the latest safety data sheets for safety-relevant pictograms.

Typical Properties

Conductivity	≤ 50 milliohms/square at 12 um fired film thickness
Viscosity	150 – 200 Kcps Brookfield HBTSC4 – 14 spindle, 6R utility cup at 10 rpm, 25 °C
Solids	83.1 ± 1% _x000D_
Alloy Ratio	2.1 : 1
Metal	AgPd

Recommended Processing Guide

Printing Parameters	280-325 mesh screen 0.5 mil emulsion, 1.1 mil wire Let the print level at room temperature for 10 minutes before drying. Printing speeds capable up to 6 in/sec.
Drying Temperature	Dry at 150°C for 10 minutes
Process Temperature (TDS)	850 °C peak for 10 minutes Total cycle time 30 – 60 minutes
Film Thickness	Dried: 15-18 microns Fired: 10-12 microns
Recommended Thinner	RV-372

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Warranty

6 months

Storage

Store in a dry cool and dark location at 5°C -25°C.

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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