

PC10904

Component Metallization

Description

PC10904 is a high performance silver conductor designed for metallizing ceramic component devices. The rheology of PC10904 is optimized for dipping and spraying methods of application.

Key Features

- Excellent conductivity High adhesion to various oxide substrates Optimized for dipping and spraying applications



Typical Properties

Viscosity	2.7 – 3.3 kcps, Brookfield RVT, Spindle #4 @ 20 rpm, 25°C
Alloy Ratio	100
Resistivity	< 1.5 milliohms per square at 25 microns fired film thickness.
Solderability	3 seconds dip Sn62/Pb36/Ag2, 200°C Excellent
Solder Leaching	Sn62/Pb36/Ag2, 230°C 10mil wide conductor trace < 50% loss

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Recommended Processing Guide

Printing Parameters	The material should be thoroughly shaken before use. Apply the material by dipping or spraying.
Drying Temperature	125-150°C for 5-10 minutes.
Process Temperature (TDS)	850°C - 925°C peak temperature Dwell time of 5-10minutes dwell time.
Film Thickness	13-18 microns
Recommended Thinner	Heraeus RV-404

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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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.

Americas	Asia Pacific	China	Europe, Middle East and Africa
Phone +1 610 825 6050	Phone +65 6571 7649	Phone +86 53 5815 9601	Phone +49 6181 35 4370
electronics.americas@heraeus.com	electronics.apac@heraeus.com	electronics.china@heraeus.com	electronics.emea@heraeus.com

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