## C7403 - C7404A

## Conductor

## **Description**

C7403 / C7404A is a ENIG plateable, wire bondable copper conductor system developed for applying thick layers of copper. It is optimized for lapped AIN substrates as well as 96 % alumina. It is intended for use where cost sensitive applications involving high thermal and electrical properties are required. C7403 / C7404A are applied by screen printing, dried in air and fired in a nitrogen atmosphere. C7403 is applied by printing as the base layer. C7404A is printed on top of C7403 to build the thick layered film up to 300 um.

## **Key Features**

Α

electronics.americas@heraeus.com

- Compatible with AIN and AI203
- Excellent electrical and thermal properties
- Excellent fired film density
- High fired film thickness (up to 300 um) ENIG and ENEPIG plateable
- Wire bondable-thick Al wire



This picture does not show the packaging of C7403 - C7404A 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.

electronics.apac@heraeus.com

Americas	Asia Pacific
Phone +1 610 825 6050	Phone +65 6571 7649

Typical Properties	
Viscosity	C7403: 120-220 KcpsC7404A: 150-250 KcpsBrookfield HBT, SC4-14 at 10 rpm, 25 °C
Alloy Ratio	100
Metal	Cu
Recommended Processing Guide	
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Process Temperature (TDS)	Processing Guide  Fire in Nitrogen with O2 between 2-10 ppm 925-950 °C peak. Dwell time of 8-10 minutes.

China Europe, Middle East and Africa
Phone +86 53 5815 9601 Phone +49 6181 35 4370
electronics.china@heraeus.com electronics.emea@heraeus.com

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