

C4003

Conductor

Description

C4003 is a 3/1 Ag/Pd thick film conductor material that is both solderable and heavy gauge aluminum wirebondable. This product was developed for use in harsh environments, such as under-the-hood automotive applications.

Key Features

- Excellent solderability
- High aged adhesion
- Good Al wire bond adhesion (initial and aged)
- Good thermal cycled and autoclave adhesion



This picture does not show the packaging of C4003 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

| | |
|-------------|--|
| Viscosity | 150-200 Kcps, Brookfield HBTSC4-14 spindle and 6R cup at 10 rpm, 25 °C |
| Solids | 82.2 ± 1 % |
| Alloy Ratio | 03:01 |
| Coverage | 100 cm ² /gm at 12 um fired film thickness |
| Metal | AgPd |
| Color | Dark Grey |

Recommended Processing Guide

| | |
|---------------------------|---|
| Process Temperature (TDS) | Fire at 850 °C peak temperature 10 minutes at peak temperature. Dwell time of 10 minutes at peak. |
| Film Thickness | 10-14 um |

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Warranty

6 months

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