

C3682

Conductor, Component Metallization

Description

C3682 is a reactive (metal oxide) bonded platinum paste which fires to a dense fired surface. It has a rheology suitable for brushing. C3682 is particularly useful for the manufacture of O₂ sensors.

Key Features

- Fritless, reactive bond paste Chemically resistant
Brushable viscosity Can be used on Alumina, Zirconia and Titania bodies



This picture does not show the packaging of C3682 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	≤ 130 milliohms/square (FFT: 10 um)
Viscosity	9 – 15 Pas (22 °C, D = 33/s)
Solids	68.5 % ± 1.5 %
Alloy Ratio	100
Metal	Pt
Color	Dark Grey

Recommended Processing Guide

Drying Temperature	Dry at 120 - 150 °C for 10 – 20 minutes.
Process Temperature (TDS)	Fire at 850 – 1100 °C (peak) for 9 – 11 minutes
Recommended Thinner	RV 997
Paste Compatibility	Al ₂ O ₃ , ZrO ₂ or Titania

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Warranty

3 months

Storage

Store in a dry location at 5°C-25°C

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