

C3605S

Conductor, Component Metallization

Description

C3605P and C3605S are pastes only consisting of Pt powder and organic vehicle. They are intended to be mixed with customer specific adhesion promoters or to be co-fired with tape. C3605P and C3605S can – depending on the exact viscosity which is delivered – be either sprayed/brushed (“P”- version) or screen printed (“S”- version). They are particularly useful for the manufacture of O2sensors.

Key Features

- Fritless pastes Chemically resistant Can be used on alumina, zirconia or other bodies



This picture does not show the packaging of C3605S 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	30 – 45 Pas (25 °C, D = 50 /s)
Alloy Ratio	100
Metal	Pt
Color	Silver

Recommended Processing Guide

Printing Parameters	Print through a 200 – 325 mesh stainless steel screen. Level at room temperature for 10 minutes.
Printing Speed	Up to at least 10 cm/s
Drying Temperature	Dry at 125 – 150 °C for 10 – 20 minutes.
Process Temperature (TDS)	Fire at 1100 – 1500 °C (peak) for 5 – 30 minutes, and with a total firing cycle time of c. 30 – 60 minutes
Recommended Thinner	HVS-100

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Warranty

6 months

Storage

Store in a dry location at 2°C-23°C

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