

IP211

Dielectric / Glaze

Description

IP211 is a high temperature overglaze for protection of platinum structures, e.g. sensor applications. It also can be used to cover Cr steel with an insulating layer. The standard color is blue. A clear version, IP211 Clear, is available on demand.

Key Features

- It fires to an extremely dense, hermetic film, allowing excellent electrical performance at fired film thicknesses of $\geq 50 \mu\text{m}$. A continuous operation temperature at up to $500 \text{ }^\circ\text{C}$ is possible.



This picture does not show the packaging of IP211 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	IP 211 (Blue): 15 – 30 Pas, IP 211 (Clear): 25 – 45 Pas
Solids	
Blendable	
Coverage	c. 40 cm ² /g (at 50 μm fired film thickness)
Color	Blue, Clear: Colorless Transparent

Recommended Processing Guide

Printing Parameters	Print through 165 – 325 mesh stainless steel screen. A print-dry fire sequence is advised for each layer.
Printing Speed	
Leveling	
Drying Temperature	Dry at $150 \text{ }^\circ\text{C}$ for 10 – 20 minutes
Process Temperature (TDS)	Fire at $950 - 1350 \text{ }^\circ\text{C}$ (peak) for 8 – 12 minutes, and with a total firing cycle time ≥ 30 minutes
Film Thickness	
Recommended Thinner	HVS-100
Paste Compatibility	

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Warranty

3 months

Storage

store in a dry, cool (5 – 25 °C) and dark place with container tightly shut

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