

### IP9002

#### Dielectric / Glaze

##### Description

IP9002 is a Pb, Cd, and Ni free low firing green overglaze that is resistant to various plating solutions. It has a low thermal expansion coefficient allowing for applications which utilize aluminum nitride substrates. It is compatible with various Heraeus conductors designed for aluminum nitride.

##### Key Features

- Excellent plating solution resistance
- Pinhole free
- Low thermal expansion coefficient (CTE)
- Chemically durable



*This picture does not show the packaging of IP9002 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	60-80 Kcps Brookfield HBTSC4-14 spindle, 6R utility cup at 10 rpm, 25 °C
Solids	76.0 ± 2.0 %
Coverage	170 cm <sup>2</sup> /g at 25 um wet film thickness
Metal	None

##### Recommended Processing Guide

Process Temperature (TDS)	500-600 °C peak temperature. Dwell time of 5-7 minutes.
Film Thickness	8-12 um

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