

IP9028

Dielectric / Glaze

Description

IP9028 is plating solution resistant overglaze with green color for optimum laser trim characteristics. IP9028 is intended for chip resistor applications where Ni and Sn plating bath solutions are used. IP9028 is specifically designed to withstand attack during the plating process. IP9028 is compatible with C4410, plating solution resistant conductor and the R8100 series resistors.

Key Features

- Can withstand Ni and Sn plating solutions Laser trimmable Green, smooth film

Typical Properties

Viscosity	125–150 kcps, Brookfield HBT, SC4-14 spindle & 6R utility cup @ 10 rpm, 25°C
Solids	72.0 ± 1.0%
Blendable	
Coverage	150-160 cm2 /g at 10 microns fired film thickness
Color	
Resistivity	
Laser Trim	
Rel. Dielectric Constant	
Dissipation Factor	
Insulation Resistance	
Breakdown Voltage	
Via resolution	

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Typical Properties (continued)

Thermal Coefficient of Expansion (CTE)

Solderability

Recommended Processing Guide

Printing Parameters

325 stainless steel mesh screen.

Printing Speed

Leveling

Drying Temperature

150°C for 5-10 minutes.

Process Temperature (TDS)

600-625°C peak temperature
Dwell time of 2-4 minutes at peak

Film Thickness

Dried: 11-15 microns
Fired: 5-9 microns

Recommended Thinner

Heraeus RV-372

Paste Compatibility

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Warranty

Material guaranteed to meet specifications for 6 months from date of manufacturing with proper storage.

Storage

Store in a dry location at 5 – 25°C. DO NOT REFRIGERATE. Allow paste to come to room temperature prior to opening. Spatulate well before using, as settling may occur during storage.

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