

IP9028K

Dielectric / Glaze

Description

IP9028K is an acid-resistant overglaze that fires to a clear, thin, dense film at 720°C. IP9028K fires at a wide range of temperatures.

Key Features

- Clear, hermetic film Withstands Ni & Sn plating bath solutions Wide processing window Compatible with Au organometallic fired films Cadmium free

Typical Properties

Viscosity	60 – 100 kcps, Brookfield RVT, SC4-14 Spindle & 6R utility cup @ 10 rpm, 25°C
Solids	62.0± 1.0%.
Blendable	
Coverage	240 cm2 /g at 7 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 mesh screen. 0.5 mil emulsion 1.1 mil wire
Printing Speed	
Leveling	
Drying Temperature	150°C for 5-10 minutes.
Process Temperature (TDS)	720°C peak Dwell time of 4-6 minutes
Film Thickness	Dried: 12 microns Fired: 5-9 microns
Recommended Thinner	Heraeus RV-372
Paste Compatibility	

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Warranty

Material guaranteed to meet specifications for 3 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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