

IP9217

Dielectric / Glaze

Description

IP9217 is a blue 850° C firing dielectric composition which produces an extremely dense, hermetic fired film. IP9217 is compatible with a wide variety of Au and Ag conductors and resistor systems. Its unique glass system eliminates blistering in multilayer applications.

Key Features

- Excellent electrical properties Good adhesion of Au conductors Superior properties when resistors are used in multilayer applications Eliminates “Battery effect”



This picture does not show the packaging of IP9217 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	230 – 330 Kcps Brookfield HBTSC4 – 14 spindle, 6R utility cup at 10 rpm, 25 °C
Solids	75.0 ± 1.0 %
Blendable	
Coverage	100 cm ² /g at 50 µm wet film thickness
Color	

Recommended Processing Guide

Printing Parameters	280 mesh stainless steel screen 0.5 mil emulsion thickness For via geometries < 15 mils, use a 325 mesh screen. Three individually fired layers with a total thickness of at least 40 µm will be necessary to achieve the optimum performance level. Allow wet prints to level at room temperature for 5 minutes.
Printing Speed	
Leveling	
Drying Temperature	150 °C for 10 minutes
Process Temperature (TDS)	850 °C peak temperature Dwell time of 10 minutes
Film Thickness	Dried: 21 µm Fired: 15 µm > 40 µm (3 fired layers)
Recommended Thinner	RV-507
Paste Compatibility	

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Warranty

6 months

Storage

Store in a dry location at 15 – 25 °C to ensure proper performance of shelf life.

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