

PCD11461

Dielectric / Glaze

Description

PCD11461 is a green plating solution resistant resistor overglaze for optimum laser trim properties. PCD11461 improves the stability of laser or air-abrasive trimmed resistors by providing protection from plating baths, harsh environments, organic potting compounds and abrasive over-spray

Key Features

- Resistant to Ni and Sn plating solutions Minimizes resistance shift on refire Single coat application

Typical Properties

Viscosity	115 – 155 kcps, Brookfield HBT, SC4-14 spindle and 6R utility cup @ 10 rpm, 25°C
Solids	
Blendable	
Coverage	85-90 cm2 /gm (Calculated from 50 micron wet film)
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	200-325 stainless steel mesh screen 0.5 mil emulsion Allow parts to level at room temperature for 1-3 minutes before drying.
Printing Speed	
Leveling	
Drying Temperature	150°C for 5-10 minutes
Process Temperature (TDS)	600°C to 630°C peak temperature Dwell time of 3 - 7 minutes at peak
Film Thickness	10-15 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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