IP9029H

Dielectric / Glaze

Description

IP9029H is a green dielectric, particularly developed for use as an acid–resistant overglaze on chip and standard resistors.

Key Features

- It can withstand plating solutions, e.g Ni baths with pH – values of 4 – 5 and Pb/Sn baths with pH – values of < 1 Also resistant to mildly alkaline solutions

This picture does not show the packaging of IP9029H 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	25 – 45 Pa·s (25°C, D = 100/s)
Solids	
Blendable	
Coverage	c. 111 cm2/g (FFT: 15 µm)
Color	Green, transparent
Resistivity	
Laser Trim	
Rel. Dielectric Constant	
Dissipation Factor	
Insulation Resistance	
Breakdown Voltage	
Via resolution	
Thermal Coefficient of Expansion (CTE)	
Solderability	

Heraeus Electronics GmbH & Co.KG, 63450 Hanau, Germany
Web: www.heraeus-electronics.com

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Recommended Processing Guide	
Printing Parameters	Print through a 200 – 325 mesh stainless steel screen.
Printing Speed	
Leveling	
Drying Temperature	Dry at 150 °C for 10 - 20 minutes.
Process Temperature (TDS)	Fire at 580 – 620 °C (peak) for 2 minutes, and with a total firing cycle time of c. 25 – 30 minutes
Film Thickness	14 – 18 µm
Recommended Thinner	Heraeus HVS 100
Paste Compatibility	Overglazes IP 9039H (black) IP 9049H (white) IP 9059 (colourless trans-parent) Conductors C 1075S C 1075S (LPA 409-021) C 1076SD C 1076SD (LPA 609-022) C 1200 Series C 2000 Series Others on request Resistors R 8900 Series R 8900 (WP 09-XY) Series R 8900D Series

Notes

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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, cool (2 - 23°C), dark place with container tightly shut. Allow paste to come to room temperature prior to opening. Spatulate well before using.

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