

IP9105HT

Dielectric / Glaze

Description

IP9105HT is an insulating glaze used for porcelain steel coating applications and high temperature applications. IP9105HT was specifically designed for use in circuits exposed to operating temperatures in the 475 °C range. IP9105HT may be used in conjunction with Heraeus high temperature resistor systems and conductor materials.

Key Features

- High temperature dielectric. Can be used on a wide variety of substrates including steel. Standard resistors and conductors are compatible on top.



This picture does not show the packaging of IP9105HT 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	270 – 330 Kcps Brookfield HBTSC4 – 14 spindle, 6R utility cup at 10 rpm, 25 °C
Solids	~ 70.0 %
Blendable	
Coverage	190 cm ² /g at 11 µm wet film thickness
Color	

Recommended Processing Guide

Printing Parameters	325 mesh stainless steel screen 0.5 mil emulsion 1.1 mil wire Two layers each fired individually is recommended for optimum yield.
Printing Speed	
Leveling	
Drying Temperature	150 °C for 10 minutes
Process Temperature (TDS)	915 °C peak temperature Dwell time of 8 – 10 minutes
Film Thickness	Dried: 20 µm Fired: 11 µm
Recommended Thinner	RV-372
Paste Compatibility	

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Warranty

6 months

Storage

store in a dry, cool (5 – 25 °C) and dark place with container tightly shut

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