

### IP9038A

#### Dielectric / Glaze

##### Description

IP9038A is a Pb, Cd and Ni free green overglaze designed for printing and firing over thick film resistors. IP9038A provides improved trimmed resistor stability and environmental protection. IP9038A has been proven to withstand plating solutions. IP9038A has excellent process insensitivity and is compatible with all Heraeus air-fireable resistor series. IP9038A is available in white as well (IP9038 White).

##### Key Features

- Minimizes resistance shift on refire Pinhole free Single coat application Resistant to plating solutions



*This picture does not show the packaging of IP9038A 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	140 – 180 Kcps Brookfield HBTSC4 – 14 spindle, 6R utility cup at 10 rpm, 25 °C
Solids	75.0 ± 2.0 %
Blendable	
Coverage	160 cm <sup>2</sup> /g at 10 µm wet film thickness
Color	

##### Recommended Processing Guide

Printing Parameters	280 – 325 mesh stainless steel screen 0.5 mil emulsion 1.1 mil wire
Printing Speed	
Leveling	
Drying Temperature	Allow to level for 10 minutes before drying 150 °C for 10 minutes
Process Temperature (TDS)	500 °C (6 – 8 minutes) dwell time 520 °C (4 – 6 minutes) dwell time
Film Thickness	Dried: 18 – 22 µm Fired: 10 – 12 µm
Recommended Thinner	RV-372
Paste Compatibility	

### IP9038A

Dielectric / Glaze

---

#### Warranty

6 months

#### Storage

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

#### Americas

Phone +1 610 825 6050

[electronics.americas@heraeus.com](mailto:electronics.americas@heraeus.com)

#### Asia Pacific

Phone +65 6571 7649

[electronics.apac@heraeus.com](mailto:electronics.apac@heraeus.com)

#### China

Phone +86 53 5815 9601

[electronics.china@heraeus.com](mailto:electronics.china@heraeus.com)

#### Europe, Middle East and Africa

Phone +49 6181 35 4370

[electronics.emea@heraeus.com](mailto:electronics.emea@heraeus.com)

The descriptions and engineering data shown here have been compiled by Heraeus using commonly accepted procedures, in conjunction with modern testing equipment, and have been compiled as according to the latest factual knowledge in our possession. The information was up-to date on the date this document was printed (latest versions can always be supplied upon request). Although the data is considered accurate, we cannot guarantee accuracy, the results obtained from its use, or any patent infringement resulting from its use (unless this is contractually and explicitly agreed in writing, in advance). The data is supplied on the condition that the user shall conduct tests to determine materials suitability for particular application. The Heraeus logo and Heraeus, figurative mark are trademarks or registered trademarks of Heraeus Holding GmbH or its affiliates. All rights reserved.

All changes are based on information displayed using the template `data_sheet/HET/TFM/print_data_sheet.html.twig`.  
Version (last updated) 26 Feb 2026

Heraeus Electronics GmbH & Co.KG, 63450 Hanau, Germany  
Web: [www.heraeus-electronics.com](http://www.heraeus-electronics.com)