

Dielectrics

IP 134 F

Fixing Paste for Bonded Connecting Wires

Description

IP 134 F is a blue, semi gloss firing fixing paste, designed for application by dispensing (point dispensing). Thickness of the wet layer should not be much above 1mm.

Key Benefits

- Free of cadmium and nickel
- Free of phthalate
- REACH ² and RoHS ³ compliant

Processing

1. Spatulate well prior to processing. When stored in a fridge: the paste should have acquired room temperature before being opened, to avoid condensation.
2. Dry at 150°C for 20 minutes for a 100µm thick wet layer. Thicker layers may require higher temperatures and longer drying times..
3. Fire at 850°C (peak) for 8 – 10 minutes, and with a total firing cycle time of c. 60 minutes.

Typical Properties (Pastes)

Form:	Thixotropic paste
Viscosity:	30 – 150 Pas (25 °C, D = 10 s ⁻¹)
Shelf Life:	3 months from date of shipment with correct storage (in a dry, cool (2 to 23 °C) and dark place with container tightly shut)

Typical Properties (Fired) ¹

Color:	Blue
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Thinner

Deionized Water / Glycerin

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- 1 Typical property based on laboratory test methods. For optimum results all materials should be fired in a profiled furnace supplied with dried, hydrocarbon and other contaminant free air (PP-1)
- 2 REACH compliant according to the Annex XIV (Feb. 17, 2011) of Commission Regulation (EU) No 143/2011 to Regulation (EC) No 1907/2006 of the European Parliament and of the council on the Registration, Evaluation, Authorisation and Restriction of Chemicals ("REACH") by European Chemicals Agency; we define a material as REACH compliant, as long as substances used are not recorded in the Annex XIV.
- 3 RoHS compliant according to the Directives (European Union) No 2011/65/EC of Restriction of Hazardous Substances ("RoHS") and its subsequent amendments (including the exceptions No. 7. c. l. of the EU Directive e.g. related to Pb)

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 a particular application.

Europe [TH]
Heraeus Precious Metals GmbH & Co. KG
Thick Film Materials Division
Heraeusstr. 12 – 14
63450 Hanau
Germany
Tel: +49 (6181) 35 – 5466
E-Mail: th-info@heraeus.com
Internet: www.heraeus-thickfilm.com

Americas [TH]
Heraeus Materials Technology LLC
Thick Film Materials Division
24 Union Hill Road
W. Conshohocken, PA 19428
USA
Tel: +1 (610) 825 – 6050
E-Mail: techservice.hcd@heraeus.com
Internet: www.heraeus-thickfilm.com

Asia [TH]
Heraeus Materials Technology Shanghai Ltd.
No. 1 Guang Zhong Road
Zhuanquiao Town, Minhang District
201108 Shanghai
People's Republic of China
Tel: +86 (21) 3357 - 5688
E-Mail: th.hmts@heraeus.com
Internet: www.heraeus-thickfilm.com