Heraeus

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.

Thinner Deionized Water / Glycerin

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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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. I. of the EU Directive e.g. related to Pb)

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