Heraeus

Electronics

C-250J

Polymer Thick Film

Description

C-250J is a low resistance carbon paste designed for screen printing membrane switches, printed flexible circuits and other printed electronic applications. The combination carbon and graphite blend gives excellent resistance against repeat wear from SMT components while also maintaining high conductivity.

Key Features

- 5B (ASTM d3359) adhesion to print treated PET, PriElex silver inks, and common rigid PCB substrates
- Superior mechanical wear resistance encountered in hybrid circuits
- Compatible with all silver and silver chloride products in the PriElex portfolio
- Optimal open time on the screen paired with fast drying post process

This picture does not show the packaging of C-250J 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	
Conductivity	<5 Ω/sq/mil
Viscosity	23-36 kcps. Vt-04, No. 2 spindle @ 25°C
Solids	50% +/- 2%
Coverage	160 cm square/gm @ 14 microns
Color	Black
95% Max Particle Size	<25 µm
Recommended Processing Guide	
Printing Parameters	Polyester Mesh (157 to 230 TPI) Steel Mesh (165 to 325 TPI)
Drying Temperature	100-130°C
Film Thickness	8-20 µm DFT
Recommended Thinner	Solvent 20
Paste Compatibility	Compatible with all PriElex silver products. Requires use of thermal dry dielectrics from PriElex portfolio

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C-250J

Polymer Thick Film

Warranty

6 months

Storage

Ambient storage, mix well prior to use

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