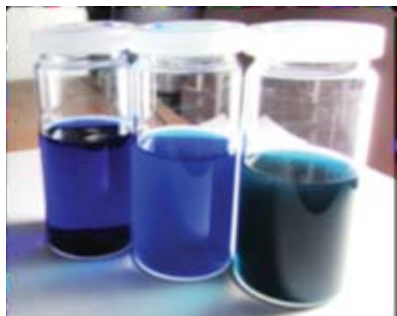


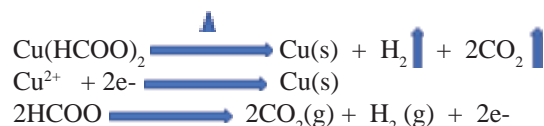
CCI-209S

Copper Complex Ink

Product Description

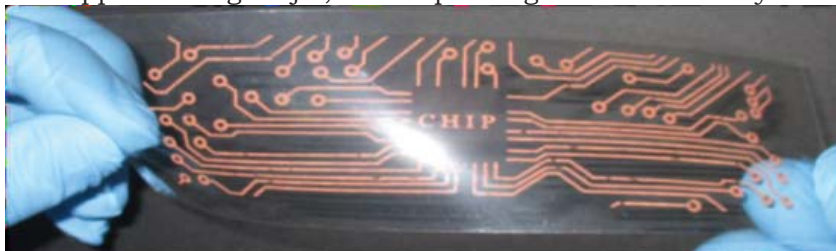


Copper Complex Ink CCI-209S is specially formulated to meet the demand for printed electronics. This is the solution for low cost application on plastic electronics devices. Copper complex ink eliminate the common issue of copper oxidation that is faced in the industry by using low decomposition temperature under nitrogen environment.



Application

CCI-209S is suitable with many substrates including PI, PEN, PC and PET under nitrogen curing condition and can be applied using inkjet, screen printing as well as variety of other processes.



Sample of circuit printed by inkjet printer

Characteristics

Specification	Characteristics	Remarks
Appearance	Blurish color	Visual
Texture	Smooth viscous fluid	-
Viscosity	29.06 +/- 5% @5rpm	Brookfield CP51 spindle Screen Printer Ink
Curing condition	130 to 150°C X 10mins	Under N ₂ environment
Sheet Resistivity	12% of bulk Copper	-
Adhesion	100/100 ASTM	Cross cut on PI
Flexibility	< 10%	After 10 times bending process

Recommended Thinning Solvents

Viscosity of CCI-209S could be adjusted using Solvent 209S.

Screen and Drum Cleaning

User is advised to use alcohol based solvent such as ethanol, isopropyl alcohol etc for cleaning of the screen, squeegee and drum.

Storage and Shelf Life

Generally shelf life of CCI-209S is 3 months from the date of manufacturing if kept under tightly capped bottle and stored in proper condition and temperature of 25°C +/- 3°C

DISCLAIMER OF LIABILITY

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