

Technical Data Sheet (TDS)
 Conductive silver nano ink
 Ag-JB 0420D



C-INK

◆ Features

“Water-based conductive ink for inkjet printing containing silver nanoparticle”

Since nanoparticles are sintered at low temperature and bonded to each other, the conductivity does not deteriorate over time due to oxidation. It has various characteristics.

◆ Applications

metal wiring formation, electrode formation
 plating base catalyst, electrostatic shield formation

◆ Properties

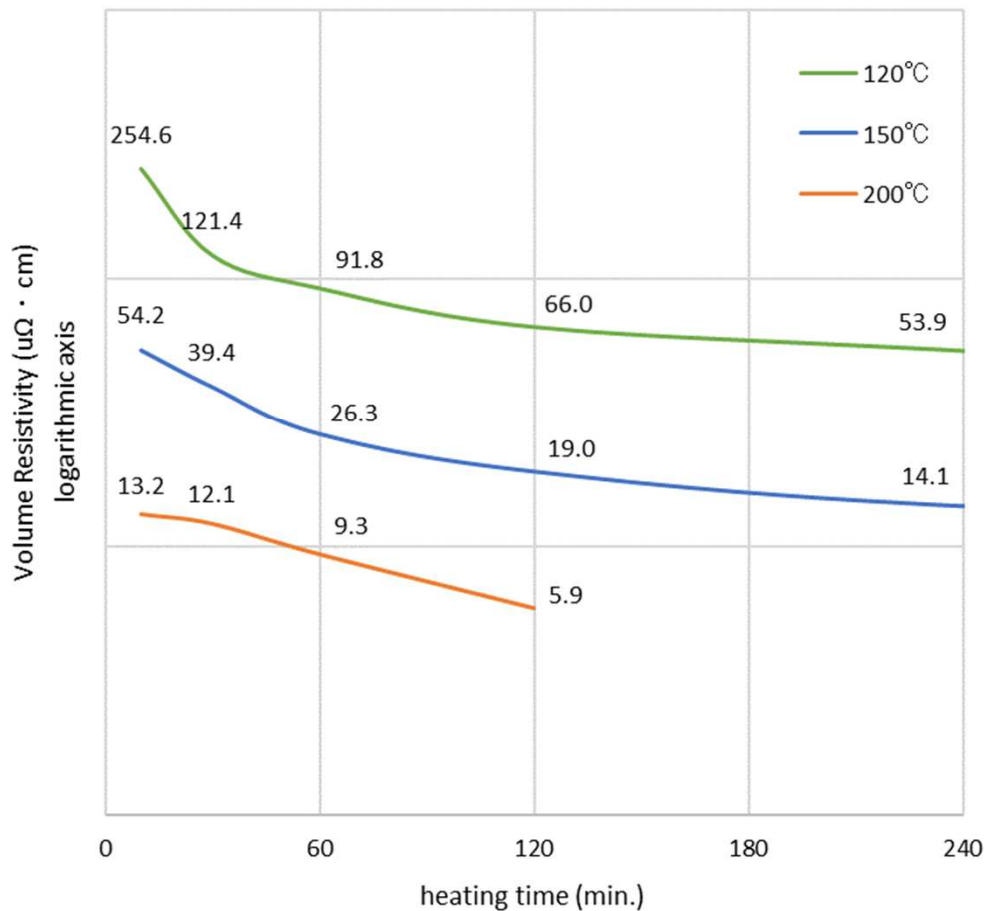
Item	Data	Remarks
Appearance	Dark brown	Visual confirmation
Solid content concentration (wt%)	20	
Viscosity	3.5 ~ 4.0 mPa · s	Cone plate type viscometer 100 rpm · 25 deg. C.
Density	1.25 to 1.30 g/ml	25 deg. C.
Static surface tension	25 ~ 30 mN/m	
Heat treatment	150 deg. C., 60 min.	Circulation drying oven
Volume resistance value	26 $\mu\Omega$ · cm	4 terminal method
Adhesion (crosscut test)	100/100	Base material: PET film after treatment at 120 deg. C., 60min
	100/100	Base material: PI film after treatment at 120 deg. C., 60min
	1090/100	Base material: Glass substrate after treatment at 150 deg. C., 60min

* The above data is a reference value, not a guaranteed value.



C-INK

Volume Resistivity of DryCure Ag-JB 0420D



◆ Precautions for use

- Clean the painted surface and remove oil, moisture, dirt, etc.
- When heating at 100 deg. C. or higher, dry at 60 ~ 90 deg. C. for about 5 minutes.
- Store in a cool and dark place, avoiding direct sunlight.
- Please refrain from opening the package for a long time in the atmosphere to prevent the ink from oxidizing.
- When closing the container, compress the container and close the lid with the air inside the container removed as much as possible.