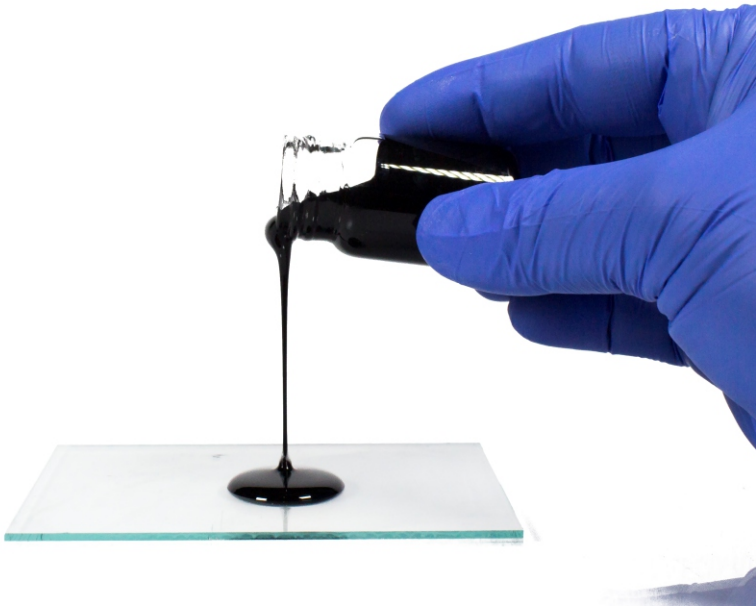
NANOSHEL
Creating Miracles in Black

Film Conductive Ink

Product Features

- ✓ Outstanding electrical conductivity
- ✓ Good jet performance and ease of use
- ✓ High print thickness for ink-jet process
- ✓ Excellent adhesion to various substrates
- ✓ Smooth sintered surface

Film Conductive Ink



Product Description

Inkjet printing offers an attractive method for the deposition of metal interconnects in electronic systems and enables a low-cost, environmentally friendly route to manufacture. t majorly used for wearable electronics, touchscreens, smartphones, 3D printing, OLEDs, battery electrodes, membrane circuits, printed circuit boards (PCB), Switchable films, and many more. It also used in inkjet printing technology.

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Quick Facts

CAS	:	7440-44-0
Purity	:	99.5%
Diameter	:	30nm
Length	:	20µm
Appearance	:	Liquid

Properties

Viscosity	4-30 cPs(25°C)
Typical Concenteration	1-2%
pH of solution	7.9-8.1
Coefficient of Variation	51%
Density	1.02g/cm3
Operating Temp.	25-40°C
Curing Temp.	35-50°C
Storage Temp.	7-15°C

Application

- ✓ Digital Printing
- ✓ Solar cell
- ✓ Optoelectronics
- ✓ Radio-frequency identification (RFID)
- ✓ Photovoltaic
- ✓ Bio-sensors
- ✓ Printed electronics industry
- ✓ aerospace

To avoid premature solvent evaporation and lower risks of screen blockage the paste should be print-flood processed.

Clean-Up

Clean the equipment by alcohol such as propanol or our thinner.

Storage and shelf-life

Close the cap tightly and store the container at room temperature. Containers should be stored at room temperature (10-25oC) with lids tightly sealed.

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