Technical Data Sheet WCI-HTSP

(Water based conductive Ink for High Transparent Screen Printing)

Description

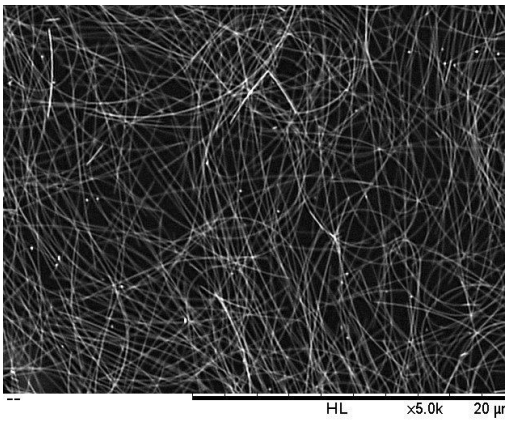
WCI-HTSP is a water-based viscous liquid with Silver Nanowire ink as main conductive filler for Screen Printing. It is a ready-to-use ink that can be used to print flexible and highly conducive transparent line/area at low thickness on a variety of substrates including glass, PET, PMMA, PC, PI, PEI, etc.

Parameters	Characteristics
Appearance	Gray paste
Available packages (g)	100, 250, 500, 1000
Viscosity (cPs) – 25ºC	8.000-12.000 CPs
Resistivity – ρ (ohm*m) 25 ºC	< 10^-5
Conductivity – σ (S/m) 25 ºC	> 10^5
Conductive Solid content %	0.3-0.5
Water Content %	>95
Silver structure	Nanowire
Curing condition	110ºC, 5 min
Storage condition	cool and dry place

Important: The paste should be gently stirred before use, avoid rapid stirring to prevent air entrapment.

Structural Features and Electro-optical Properties

Transparency: T% > 90%
Haze: H% < 2%
Sheet Resistance: Rs= 100 ohm/sq
Screen printing: 420 meshs/inch, polyester mesh, mesh diameter=33 µm,
Substrate: PET



Calle Cañada, 15, 28860
Paracuellos de Jarama,
Madrid, Spain

info@nanocintech.com