

## Conductive Paint Type: K-NSP

Content	NSP
Conductive powder	Silver
System	Solvent base
Binder	Thermoplastic
Solid content	40 ± 1 (wt %)
Diluent	EtOH : Acetone = 1 : 1
Coverage (Dry film)	12.5 μm
Surface resistivity	Max. 0.20 Ω/mtr
Drying time	30 min at RT, 20 min at 60 °C
Shielding effectiveness	> 70 dB

## Shielding Technology

Item	Plating-on	Vacuum-Deposition	Coating (Silver)
Film Thickness (mils)	0.50	0.50	1.00
Resistivity (Ω/%)	0.075	0.15	0.01
Shielding Capability	+60dB	+60dB	+80dB
Abrasion Resistance	Excellent	Poor	Average
Humidity Cycle Resistance	Good	Poor	Excellent
COST	High	Low	Average

## Physical Properties

Item	Specification
Solid Content	47.0± 1.0
Specific Gravity	1.45±0.05
Viscosity	10000~30000cps
Dilution	100 : 100 ~ 100 : 180 by volume
Viscosity at dilution	20±5 sec. (#2 S90 Zahn Cup)
Dilution thinner	Ethyl alcohol
Resistivity	< 0.015 Ω/sq
Theoretical coverage	75 ±5 cm <sup>2</sup> /g (when, Dry film thickness = 12.5 μm)

## Package & Storage & Handling

Package	5.0 kg
Storage	Store at 0~25°C and enclosed dry area Use below 35°C Keep container tightly sealed
Handling	Sufficiently stir before using

# EMI Shield Coatings

for use on plastic substrates(ABS, PC, ABS/PC, and so on)  
like as Mobile-phone, computer, medical devices and so on

## Outstanding Characteristics

- Excellent Shielding Effect even at very thin films
- Formulated in mild solvent for use on sensitive plastic
- Excellent cohesion
- Excellent abrasion resistance
- Excellent adhesion to most plastic substrates
- 100% silver as the conductive medium