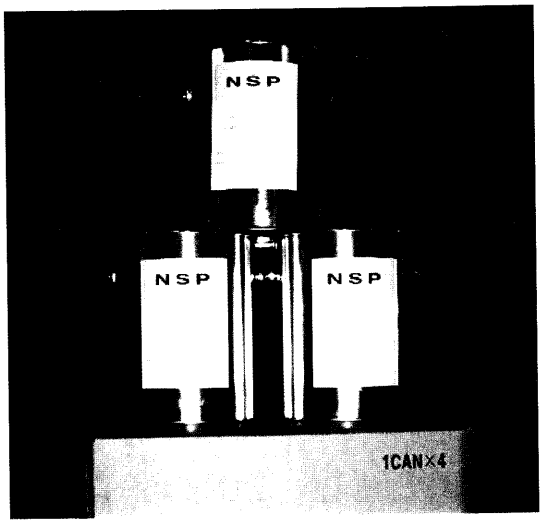
ELPACTO ® Conductive Silver Paint

Glossary

Conductive silver paint (P/N : NSP) is excellent electromagnetic shielding conductive coatings for use on plastic substrates (ABS, PC, ABS/PC and so on). It is unique in that is formulated in modified polyurethane, and mild solvents that can provides unequaled shielding at less than 0.5 mil (12.5 microns) dry film thickness.
its application is electromagnetic Interference Shielding conductive coating for use at mobile-phone,computer, electronic devices and medical instruments.



Merit

Excellent abrasion resistance, shielding effect, film cohesion and moisture resistance Excellent adhesion resistance to most plastic substrates (ABS, PC, ABS-PC and so on) Silver and conductive polymer as the conductive medium.
Compatible with sensitive plastics because of mild solvents.
Minimal precipitation during storage.
Cost saving because of superior conductivity performance at thin films.

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 cm2/g (when, Dry film thickness = 12.5 ㎛)

Application In Field

Substrate	ABS, ABS/PC, PC
Surface Preparation	Prepare the surface free from any rust, oil, and other components
Locality Condition	If you neèd, clean the surface with using IPA or ethanol. Air temperature : 5 ~ 35 ℃ Relative Humidity : down to 85 %
Application Equipment	Air Spray Nozzle Diameter : 1.0~2.0 mm Spray pressure : 1.0~2.5 Kgf/cm2
Dilution	Coating : Thinner = 100:100 ~100:180 (by volume)
Thinner	Ethyl alcohol
Recommended D.F.T	7 ~ 15㎛

Auto & Manual Process