

40-3920HV ELECTRICALLY CONDUCTIVE FLEXIBLE INK

40-3920HV is a one component electrically conductive ink. 40-3920HV is a silver filled polymer system which exhibits outstanding adhesion to a variety of substrates, such as kapton, mylar, glass, polyester, ceramic, etc. This thick film ink provides excellent conductivity for many electronic applications. It is screen printable and also sprayable. The main use of this product is to fill porosity and pin holes prior to plating.

APPLICATIONS:

Membrane Switches
Flexible Circuits
Polymer Thick Film Circuits
EMI/RFI Shielding
Plating

FEATURES:

Flexible
Low Electrical Resistance
Low Viscosity
Excellent Adhesion
High Silver Content – 85%

TYPICAL SPECIFICATIONS:

Color	Silver
Viscosity, 25°C/25°C	55,000
Specific Gravity, 25°C	2.2
Electrical Resistivity, Ohms/CM	.0002
Operating Temperature, °C	-20 to +140

SELF LIFE:

The expected shelf life is 6 months in original unopened container. Store between 65-85°F in dry area.

INSTRUCTIONS FOR USE:

1. All surfaces to be coated or bonded should be completely clean and grease free.
2. Since some silver settling may occur in storage, re-mix each container prior to
3. Apply on 230-325 mesh polyester or stainless steel screen with solvent resistant emulsion. 40-3920 can also be sprayed or dispensed through syringes.
4. Cure according to one of the following cure schedules:
A. 25°C (77°F), 20-30 Minutes
B. 225°F (107°C), 8-10 Minutes
5. Theoretical Coverage
720 sq.ft/gal/mil (7.10mz/kg)