



# 40-3920

## ELECTRICALLY CONDUCTIVE FLEXIBLE INK

### DESCRIPTION:

40-3920 is a one component electrically conductive ink. 40-3920 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.

### APPLICATIONS:

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

### FEATURES:

- Flexible
- Low Electrical Resistance
- Low viscosity
- Excellent Adhesion

### TYPICAL SPECIFICATIONS:

Color	Silver
Viscosity, 25°C, cps	9,000
Specific Gravity, 25°C	2.2
Electrical Resistivity, ohms-cm	.0002
Operating Temperature, °C	-20 to +140
Flash Point, °C\°F	99\211

### SHELF 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 use.
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

A. 720 sq.ft/gal/mil (7.10m <sup>2</sup> /kg)
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### IMPORTANT:

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