



# 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)

### IMPORTANT:

The information in this brochure is based on data obtained by our own research and is considered accurate. However, no warranty is expressed or implied regarding the accuracy of this data, the results to be obtained from the use thereof or that any such use will not infringe any patent. This information is furnished upon the condition that the person receiving it shall make his own tests to determine the suitability thereof for his particular purpose.

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