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:
<table>
<thead>
<tr>
<th>Color</th>
<th>Silver</th>
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<tbody>
<tr>
<td>Viscosity, 25°C, cps</td>
<td>9,000</td>
</tr>
<tr>
<td>Specific Gravity, 25°C</td>
<td>2.2</td>
</tr>
<tr>
<td>Electrical Resistivity, ohms-cm</td>
<td>.0002</td>
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<tr>
<td>Operating Temperature, °C</td>
<td>20 to °140</td>
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<tr>
<td>Flash Point, °C\° F</td>
<td>99\211</td>
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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 (7.10m²/kg)

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02/13