



Metallograph™

## IIMAK IINK-SSX Electrically Conductive Screen Ink

This electrically conductive screen ink has been developed for use in printed electronics, notably membrane switch, flexible circuits, displays, electroluminescent lighting and other applications requiring fine line features. This product features market leading drying times and temperatures and has excellent flexibility and adhesion to a variety of substrates.

### Instructions for Use

Prior to use, shake well as some settling of IIMAK IINK may occur in storage.

### Clean Up

Product can be cleaned up with M.E.K (Methyl Ethyl Ketone) or n-Propyl acetate. Screens and printing tools should be allowed to dry completely before reuse.

### Health, Safety & Handling

Avoid contact with skin, use with sufficient ventilation, etc.

Shelf life is 12 months in an unopened container, stored at or below 20°C (68°F). If ingested, consult a physician immediately. Consult the Product Material Safety Data Sheet for additional information.

### Application Assistance

For more assistance with this product or for more information, please call IIMAK Conductive Inks at 888.624.5246.

### About IIMAK Fluid Inks

IIMAK's full line of Metallograph Inks includes conductive screen, flexo and gravure inks in addition to conductive thermal transfer ribbon products. With over 25 years of experience in developing and manufacturing inks, let IIMAK work with you for your needs in conductive inks. ([www.iimak.com](http://www.iimak.com))

### Typical Properties

Volume Resistivity .....	29.00 $\mu\Omega$ cm
Surface Resistivity.....	.01 $\Omega$ (#4 Meyer Rod)
Power Capacity.....	2.20 W
Maximum Current Density .....	313.00 mA/cm <sup>2</sup>
Cross – Hatch Adhesion Test (ASTM F1842-09)	
3M 200 Grade.....	5
3M 622 Grade.....	5
Bend Test (ASTM F2750-09)	
Percent increase in resistivity after first bend – Compression .....	1.00%
Bend Test (ASTM F2750-09)	
Percent increase in resistivity after first bend – Extension .....	2.00%
Crease Test (ASTM F2749-09)	
Percent increase in resistivity after first crease – Compression .....	48.00%
Crease Test (ASTM F2749-09)	
Percent increase in resistivity after first crease – Extension.....	9.00%
Environmental Aging Test (ASTM F1996-06) 38°C, 95% RH, 10 Days.....	Pass
Drying Time (air flow and thickness dependent).....	2-7 minutes
Drying Temperature .....	70°C (158°F)
Viscosity.....	23,000 cps
<i>All technical information is accurate to the best of our knowledge. IIMAK does not warranty or guarantee results.</i>	



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