



Metallograph™

Metallograph™ Conductive Thermal Transfer Ribbon

On demand production of printed electronics is now possible with the Metallograph Conductive Thermal Transfer Ribbon (TTR) by IIMAK. An established *digital* printing technology, thermal transfer is an easy, cost-effective printing method for short run production, rapid prototyping and design verification.

Available for all thermal transfer printers and with wide substrate latitude, the Metallograph TTR provides consistent conductive thickness allowing for easy production of membrane switches, electroluminescent lights, RFID, smart packaging and textiles and a variety of printed electronics. With no sintering required, circuits are conductive immediately after printing, allowing for increased processing efficiency.

Dielectric thermal transfer ribbons are also available for any thermal transfer printer.

Application Assistance

For more assistance with this product or for more information, please call IIMAK customer service.

About IIMAK Fluid Inks

IIMAK manufactures a full line of Metallograph thermal transfer ribbons for all thermal transfer printers as well as conductive screen and flexographic inks. With over 25 years experience in developing and manufacturing inks, let IIMAK work with you for your conductive printing needs.

Typical Properties

<i>Volume Resistivity</i>	3.00 $\mu\Omega\cdot\text{cm}$
<i>Power Capacity</i>	2.50W
<i>Maximum Current Density</i>	410 A/mm ²
<i>Bend Test (ASTM F2750-09)</i> <i>Percent increase in resistivity</i> <i>after 100 Bends – Compression</i>	0.65%
<i>Bend Test (ASTM F2750-09)</i> <i>Percent increase in resistivity</i> <i>after 100 Bends – Extension</i>	0.50%
<i>Cross – Hatch Adhesion Test</i> <i>(ASTM F1842-09)</i>	5
<i>Environmental Aging Test</i> <i>(ASTM F1996-06)</i> <i>38°C, 95%RH, 10 Days</i>	Pass
<i>Drying Time</i>	Immediate
<i>Sintering</i>	Not Required
<i>Thickness</i>	To 0.3 μ

All technical information is accurate to the best of our knowledge. IIMAK does not warranty or guarantee results.



310 Commerce Drive • Amherst, NY 14228
Toll-Free: 888.464.4625 • Phone: 716.691.6333
salesinfo@iimak.com • www.iimak.com