SPF-Inc
Metallograph®
Printed Electronics Tech

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 Care at 888.464.4625 ext. 2228.

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.

Your Metallograph® Contact:
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First in service. Impressions that last.

Typical Properties

Volume Resistivity ..... 3.00 µΩ-cm
Surface Resistivity..... 0.030 Ω/sq.
Power Capacity..... 2.50 W
Maximum Current Density ..120 mA/cm2
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 0.64%

Bend Test (ASTM F2750-09)
Percent increase in resistivity
after first bend – Extension 0.41%

Crease Test (ASTM F2749-09)
Percent increase in resistivity after first bend – Compression 2.50%

Crease Test (ASTM F2749-09) Percent increase in resistivity after first bend – Extension 2.20%

Environmental Aging Test
(ASTM F1996-06) 38oC, 95% RH,
10 Days..... Pass

**All technical information is accurate to the best of our knowledge.*

iimak®
First in service. Impressions that last.℠

IIMAK does not warranty or guarantee results.
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