



Metalon® Conductive Inks for Printed Electronics

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Metalon® CI-006

Nanocopper Ink for the Aerosol Jetting

Particle: 90 nm spherical copper
Substrates: Polyimide, PET
Features: Solderable, flexible

Sintering Data

Polyimide: 830 nm laser under either a nitrogen or hydrogen/nitrogen atmosphere.
Volume resistivity from 3.4 to 6.8 $\mu\Omega$ -cm.

PET: 190°C in a formic acid / nitrogen reducing atmosphere gives a volume resistivity of 7.7 $\mu\Omega$ -cm.

Safety and Handling

For safety and handling information, please refer to the Material Safety Data Sheet (MSDS).

Physical Properties	General Description Spherical copper ink in glycolic solvents Viscosity (typical values) 30 – 40 cP Specific Gravity 2.6 Particle Size D50 90 nm Cu Content 60 wt%
Storage and Printing	Storage Room temperature Shelf Life > 6 months Cleaning Solvent Isopropanol
Shipping and Packaging	Standard sample order is 100g or multiples of 100g. Bulk packaging is also available.

Contact us today to learn more.

For detailed application information or additional assistance: inktechnicalsupport@novacentrix.com
Ink can be ordered at store.novacentrix.com

