

# LF-300 – paste for paper

Copprint LF-300 Nano Copper Ink for high conductivity screen printing on paper for RFID tags.

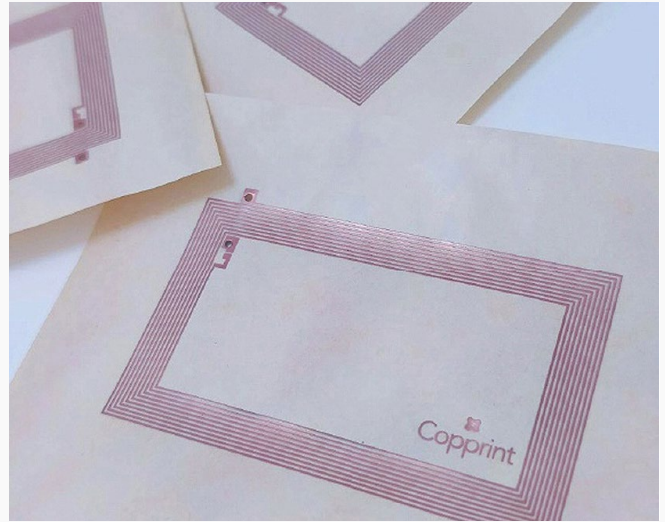
<https://www.copprint.com/products/#LF-300>

Technology: Screen printing

Appearance: Copper paste

Filler Type: Copper

Substrate: Paper



## Key Product Benefits

High conductivity

Very-low fabrication cost, efficient (no material waste)

Nano copper particle size for thin layer patterns

Excellent printability and adhesion on paper substrates

Rapid simple fabrication in air environment

Non toxic, green circuits, environmentally friendly

Drying: Ceramic lamps/hot air/thermal plate/oven

Sintering: Hot press, Contactless Laminator, photonic sintering, NIR

Common Application: printing, UHF, NFC, HF RFID antennas on a paper substrate

## Key Industry Applications:

RFID Tags

<https://drive.google.com/file/d/1FeI5Z9oGSF-d9SjiTLFYpePL5kHd1fo5/view?usp=sharing>

## Additional Resources:

Video – How to Copprint LF-300 : [https://youtu.be/8pDF\\_dUSxLO](https://youtu.be/8pDF_dUSxLO)

TDS - <http://copprint.com/wp-content/uploads/2020/11/TDS-LF-300.pdf>

MSDS - <http://copprint.com/wp-content/uploads/2020/11/MSDS-rev10-LF-products.pdf>

Application notes - <http://copprint.com/wp-content/uploads/2020/11/Application-notes-Copprint-LF-300.pdf>

Video – Who cares about the Tag? Compostable RFID antennas <https://youtu.be/5S8alzIz4b0>

Video - Compostable NFC antennas <https://youtu.be/obncn1XtWLU>

# LF-350 – paste for PET

Copprint LF-350 Nano Copper Ink for high conductivity screen printing on PET substrates for heaters, membrane-switches, sensors, antennas and more.

Technology: Screen printing

Appearance: Copper paste

Filler Type: Copper

Substrate: PET

## Key Product Benefits

### High conductivity

Very-low fabrication cost

Nano copper particle size for pattern precision

Excellent printability and adhesion on PET substrates

Rapid simple fabrication in air environment

Green circuits, environmentally friendly

Drying: Ceramic lamps/hot air/thermal plate/oven

Sintering: Hot press

Common Applications: Printing Heaters, antennas, membrane switches and more.

## Key Industry Applications:

- ✓ Heaters
- ✓ Membrane-switches
- ✓ Sensors
- ✓ Antennas

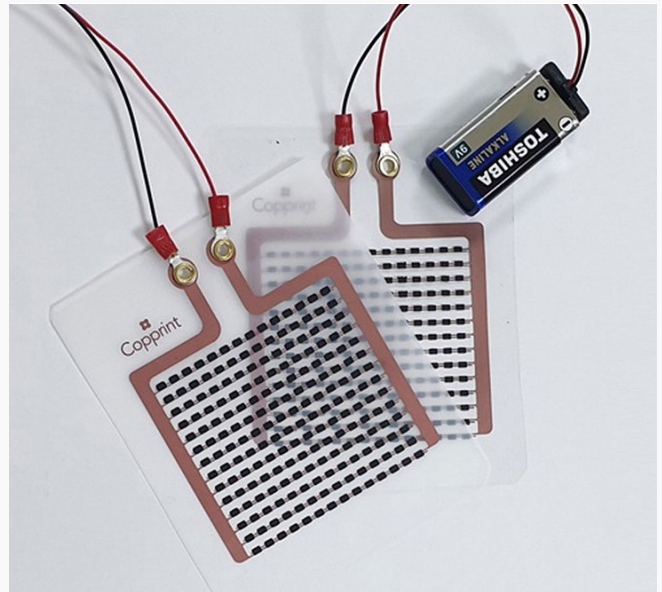
## Additional Resources:

Video – How to Copprint LF-350 - <https://youtu.be/0chiF8vVGFY>

TDS - <http://copprint.com/wp-content/uploads/2020/11/TDS-LF-350.pdf>

MSDS - <http://copprint.com/wp-content/uploads/2020/11/MSDS-rev10-LF-products.pdf>

Application notes – <http://copprint.com/wp-content/uploads/2021/01/Ap...>





## **LF 360 paste for low temp sintering on PET/PC**

Copprint LF-360 Nano Copper Ink for high conductivity screen printing on PET/PC substrates.  
Technology: Screen printing  
Appearance: Copper paste  
Filler Type: Copper  
Substrate: PET/PC

**Key Product Benefits**  
High conductivity  
Excellent adhesion  
Excellent printability with screen printing  
High metal loading  
High flexibility

## LF-370 for FR4

Copprint LF-370 Nano Copper Ink for high conductivity screen printing on FR4, glass, alumina, aluminum for high efficiency low cost HJT IBC PV cells.

<https://www.copprint.com/products/#LF-350>

Technology: Screen printing  
Appearance: Copper paste  
Filler Type: Copper  
Substrate: FR4, Glass, Alumina

### Key Product Benefits

Ultra high conductivity  
Excellent adhesion  
Very-low fabrication cost, efficient (no material waste)  
Hybrid ink – Micro and nano Cu particles.  
Excellent printability with screen printing  
Rapid simple fabrication in air environment  
Non toxic, green circuits, environmentally friendly  
Drying: Ceramic lamps/hot air/thermal plate/oven  
Sintering: Hot press, hot plate conveyor  
Common Application: FPCB and PCB

### Key Industry Applications:

Green Energy Solar Panels: High Efficiency Low Cost HJT IBC PV Cells



### Additional Resources:

Video – How to Copprint LF-370 :

<https://youtu.be/CdjpUZjjPg0>

TDS - <http://copprint.com/wp-content/uploads/2020/11/TDS-LF-370.pdf> <http://copprint.com/wp-content/uploads/2020/11/TDS-LF-371.pdf>

MSDS - <http://copprint.com/wp-content/uploads/2020/11/MSDS-rev10-LF-products.pdf>

Application notes - <http://copprint.com/wp-content/uploads/2020/11/Application-notes-Copprint-LF370-371.pdf>

## **LF-371 paste for thick printing on FR4, glass and alumina substrates**

Nano Copper Ink for high conductivity screen printing on FR4, glass, alumina substrates for high efficiency low cost HJT IBC PV cells.

<https://www.copprint.com/products/#LF-371>

Technology: Screen printing

Appearance: Copper paste

Filler Type: Copper

Substrate: FR4, Glass, Alumina

### **Key Product Benefits**

Ultra high conductivity

Excellent adhesion

Very-low fabrication cost, efficient (no material waste)

Hybrid ink – Micro and nano Cu particles.

Excellent printability with screen printing

Rapid simple fabrication in air environment

Non toxic, green circuits, environmentally friendly

Drying: Ceramic lamps/hot air/thermal plate/oven

Sintering: Hot press, hot plate conveyor

Common Application: FPCB and PCB

**Key Industry Applications:** Simpler production of 1-sided and 2-sided PCBs

### **Additional Resources:**

Video – How to Copprint LF-371 : <https://youtu.be/CdjpUZjjPg0>

TDS - <http://copprint.com/wp-content/uploads/2020/11/TDS-LF-370.pdf>

<http://copprint.com/wp-content/uploads/2020/11/TDS-LF-371.pdf>

MSDS - <http://copprint.com/wp-content/uploads/2020/11/MSDS-rev10-LF-products.pdf>

Application notes - <http://copprint.com/wp-content/uploads/2020/11/Application-notes-Copprint-LF370-371.pdf>



## LF 390 Conductive copper paste for screen-printing on PI

Copprint LF-390 Nano Copper Ink for high conductivity additive screen printing on PI substrates.

Technology: Screen printing

Appearance: Copper paste

Filler Type: Copper

Substrate: PI

### Key Product Benefits

High conductivity

Very-low fabrication cost

Nano copper particle size for pattern precision

Excellent printability and adhesion on PI substrates

Rapid self-sintering, really simple fabrication in air environment

Green circuits, environmentally friendly

### Key Industry Applications:

✓ Sensors

✓ Flexible PCBs

✓ Connectors

### Additional Resources:

Video – How to Copprint LF-390 – same video as LF-370 : <https://youtu.be/CdjpUZjjPg0>

TDS - <http://copprint.com/wp-content/uploads/2020/11/TDS-LF-390.pdf>

MSDS - <http://copprint.com/wp-content/uploads/2020/11/MSDS-rev10-LF-products.pdf>

Application notes - <http://copprint.com/wp-content/uploads/2021/02/Application-notes-Copprint-LF390.pdf>

