

# Resistive Inkjet Ink #3800 Series

## Technical Datasheet

### Product Description

An aqueous based, carbon nano-particle ink designed for both thermal and piezo inkjet printing systems. Secondary curing or processing is NOT required to achieve excellent adhesion and electrical conductivity on multiple, compatible substrates.

### Features

- Applied via thermal or piezo printheads
- Cures at ambient temperature immediately after printing on coated media
- RoHs compliant
- Custom formulations

### Ink Properties

- Viscosity *Up to 12 cps\* @ 25 Celsius Brookfield LV #1 spindle, 60rpm*
- Density *1.0 grams/ml*
- Surface Energy *25 - 55 dynes/cm\* @ 25 Celsius SITA Tensiometer*
- Freeze/Thaw Stability *Passes ASTM 2243*

\* Viscosity and Surface Energy levels available to match substrate and printhead requirements

### Typical Printed Physical Properties

- Print thickness (z-axis) *1 micron*
- Line width *50 micron lines and spaces (depending on drop size)*
- Color *Black*
- Flex and Crease Resistance *Excellent*
- Adhesion *Excellent*
- Rub Resistance *Excellent*

### Typical Printed Electrical Properties

- Sheet Resistance *Available ranges of  
20,000 Ohms per square  
10,000 Ohms per square  
5,000 Ohms per square*

ISO9001:2008 REGISTERED



Methode is...

possibilities.

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