



**GWENT GROUP**  
ADVANCED MATERIAL SYSTEMS

Part of -  
**SunChemical**<sup>®</sup>  
a member of the DIC group   
Color & Comfort

C2040712D5
Ink Jet Printable Silver Ink

**PRODUCT DESCRIPTION**

This product is an Organo-Silver compound in Aromatic Hydrocarbon solvent designed specifically for ink jet printing using a Dot-on-Demand print head.

**Product Benefits**

The ink is in a ready to use form at a viscosity suitable for printing via an ink jet printer using a Dot-on-Demand print head. When dried at the recommended conditions the printed ink gives resistivity values of 1.3 to 2 times the theoretical resistivity of bulk silver

**PROCESSING**

**Ink Jet Printing Equipment**

Dot-on-Demand head, Xaar or Spectra head recommended.

**Typical Drying Conditions**

Dry at room temperature for 10 minutes.  
Fire at 150°C for 1 hour.

**Substrate**

The Silver conductor produced in this way will adhere to a variety of substrates including Alumina, Glass, Polyamide and Polyester. The wide substrate tolerance together with the low temperatures involved in the process allow relatively inexpensive substrates to be used, thus making this material suitable for use in disposable units

**Storage**

The product should be kept sealed, in its container, and stored at room temperature (20°C). This product is light sensitive and should be kept out of direct sunlight.

**Shelf Life**

In a sealed container, stored correctly, the shelf life is minimum 3 months from despatch.

**Diluent/ Thinner**

Not recommended.

**PHYSICAL PROPERTIES**

<b>Solids Content</b> 150°C 2 hours	11-15%
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**SAFETY AND HANDLING**

These inks are intended for industrial use by trained personnel. It is important for workers to avoid overexposure to chemicals contained in these products. Read the Material Safety Data Sheet (MSDS) and product labels before using the products.

Keep product container closed when not in use to prevent solvent evaporation and spilling hazard

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All values reported here are results of experiments conducted in our laboratories and are intended to illustrate the products performance. They are not intended to represent the products specifications

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