

## Gwent Electronic Materials C2050712D58 Silver Ink for ITO Substrates

Category : Fluid , Other Engineering Material , Additive/Filler for Polymer

**Material Notes:**

This product is based on a unique curing process that results in the low temperature formation of a thermosetting polymer. Inks containing these polymers combine excellent chemical, environmental and abrasion resistance with good flexibility and adhesion to alternative ITO coated substrates. This Ink is in a ready to use form at a viscosity suitable for automatic or semiautomatic screen printing. The ink should be gently stirred before use to ensure complete homogeneity. Information provided by Gwent Electronic Materials Ltd.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Gwent-Electronic-Materials-C2050712D58-Silver-Ink-for-ITO-Substrates.php](http://www.lookpolymers.com/polymer_Gwent-Electronic-Materials-C2050712D58-Silver-Ink-for-ITO-Substrates.php)

Physical Properties	Metric	English	Comments
Solids Content	54.9 - 55.1 %	54.9 - 55.1 %	
Viscosity	6000 - 10000 cP @Shear Rate 50.0 1/s, Temperature 25.0 Å°C	6000 - 10000 cP @Shear Rate 50.0 1/s, Temperature 77.0 Å°F	Haake VT550 cone and plate viscometer with the PK1.1Å°
Thickness	16.0 - 18.0 microns	0.630 - 0.709 mil	Cured film

Electrical Properties	Metric	English	Comments
Surface Resistivity per Square	<= 0.055 ohm	<= 0.055 ohm	at 25 microns thick

Processing Properties	Metric	English	Comments
Cure Time	3.00 min @Temperature 130 Å°C	0.0500 hour @Temperature 266 Å°F	belt dryer
	10.0 min @Temperature 130 Å°C	0.167 hour @Temperature 266 Å°F	box oven
Shelf Life	3.00 Month	3.00 Month	at 20Å°C maximum
	6.00 Month	6.00 Month	at 5Å°C maximum

Descriptive Properties	Value	Comments
Coverage cm2/g	200	230 mesh stainless steel screen
Printing Mesh counts/inch	180 to 340	stainless steel or polyester screens

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