

## Gwent Electronic Materials G2020520D1 Gold Metallo-Organic Ink

Category : Fluid , Other Engineering Material , Ceramic/Metallic Coating

**Material Notes:**

This is a screen printing ink designed to act as a working electrode when fired onto alumina substrates. This unique MO formulation gives a fired thickness in the order of 0.2 to 0.3 microns. This ink is an economical way of providing a gold working electrode as it has a coverage ten times that of gold particulate paste. The 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 avoiding introduction of air bubbles. Information provided by Gwent Electronic Materials Ltd.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Gwent-Electronic-Materials-G2020520D1-Gold-Metallo-Organic-Ink.php](http://www.lookpolymers.com/polymer_Gwent-Electronic-Materials-G2020520D1-Gold-Metallo-Organic-Ink.php)

Physical Properties	Metric	English	Comments
Viscosity	11000 cP @Shear Rate 230 1/s, Temperature 25.0 Å°C	11000 cP @Shear Rate 230 1/s, Temperature 77.0 Å°F	Haake VT 550 PK1.1 Å°
Thickness	0.200 - 0.300 microns	0.00787 - 0.0118 mil	when printed through a 230 mesh SS screen
Storage Temperature	20.0 Å°C	68.0 Å°F	

Electrical Properties	Metric	English	Comments
Surface Resistivity per Square	220 ohm	220 ohm	cured film; 0.3 microns thick

Processing Properties	Metric	English	Comments
Processing Temperature	60.0 - 80.0 Å°C	140 - 176 Å°F	
Cure Time	30 - 60 min	0.5 - 1 hour	
Shelf Life	3.00 Month	3.00 Month	

Descriptive Properties	Value	Comments
Coverage cm <sup>2</sup> /g	1900	230 mesh stainless steel screen with 13 micron emulsion back off
Printing Mesh counts/inch	150 to 300	stainless steel or polyester screens

## Contact Songhan Plastic Technology Co.,Ltd.

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