

## Gwent Electronic Materials C2030922D1 Silver Ink

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

### Material Notes:

Silver Ink C2030922D1 is a grey ink with a pine smell at a ready to use viscosity suitable for firing on glass and ceramic to form conductive tracks. The ink should be gently stirred before use avoiding introduction of air bubbles. Silver Ink has a low resistance ink designed for use as the heating bars and tracks on automobile backlights and other circuits on glass. It has a dark back color when printed and fired on float side of glass. It can be printed onto IR or UV black enamels. Screen Printing Equipment: semi-automatic, automatic Screen Types: stainless steel, polyester, mesh 156-325 tpi Substrate: Glass Information provided by Gwent Electronic Materials Ltd.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Gwent-Electronic-Materials-C2030922D1-Silver-Ink.php](http://www.lookpolymers.com/polymer_Gwent-Electronic-Materials-C2030922D1-Silver-Ink.php)

Physical Properties	Metric	English	Comments
Solids Content	84 - 86 %	84 - 86 %	
	@Temperature 700 Â°C	@Temperature 1290 Â°F	
Viscosity	3000 - 5500 cP	3000 - 5500 cP	Haake VT 550 PK1.1 Â°
	@Shear Rate 230 1/s, Temperature 25.0 Â°C	@Shear Rate 230 1/s, Temperature 77.0 Â°F	
Storage Temperature	20.0 Â°C	68.0 Â°F	sealed container

Electrical Properties	Metric	English	Comments
Surface Resistivity per Square	0.015 - 0.020 ohm	0.015 - 0.020 ohm	Printed onto 125Âµm PET film
	@Thickness 0.0250 mm	@Thickness 0.000984 in	
	0.030 - 0.045 ohm	0.030 - 0.045 ohm	Printed onto 125Âµm PET film
	@Thickness 0.0100 mm	@Thickness 0.000394 in	

Processing Properties	Metric	English	Comments
Sintering Temperature	550 - 750 Â°C	1020 - 1380 Â°F	
Cure Time	15.0 min	0.250 hour	
	@Temperature 150 Â°C	@Temperature 302 Â°F	
Shelf Life	6.00 Month	6.00 Month	

Descriptive Properties	Value	Comments
	Ink survived 3 cycles	Printed onto 125Âµm PET film, Failure at resistance 10 times the

Bending Test Descriptive	Value	Initial value using 2kg weight. Comments
Properties Coverage cm2/g	110	Using a 230 mesh stainless steel screen
Double Curing	Aging factor of -0.7% after double curing at 150C for 15 mins.	Printed onto 125Åµm PET film
Hot Water Test	Aging factor of -0.2% after boiling for 1 hr.	Printed onto 125Åµm PET film

## Contact Songhan Plastic Technology Co.,Ltd.

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