

## Gwent Electronic Materials C2020322D6 Platinum Polymeric Ink

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

### Material Notes:

C2020322D6 is a screen printable Platinum ink designed for printing working electrodes in electrochemical sensor applications. The paste can be used to detect H<sub>2</sub>O<sub>2</sub>, is suitable for developing biosensors with oxidase enzymes, DNA or immune-sensors. The ink is designed for curing on polymer substrates, has excellent chemical and environmental resistance, and is suitable for fine line printing. Screen Printing Equipment: semi-automatic, automatic Screen Types: stainless steel, polyester, mesh 156-325tpi Substrate: polyester, PVC, polycarbonate or ceramic Information provided by Gwent Electronic Materials Ltd.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Gwent-Electronic-Materials-C2020322D6-Platinum-Polymeric-Ink.php](http://www.lookpolymers.com/polymer_Gwent-Electronic-Materials-C2020322D6-Platinum-Polymeric-Ink.php)

Physical Properties	Metric	English	Comments
Solids Content	85.5 - 86.5 %	85.5 - 86.5 %	
	@Temperature 700 Å°C	@Temperature 1290 Å°F	
Viscosity	10000 - 15000 cP	10000 - 15000 cP	Haake VT 550 PK1.1Å°
	@Shear Rate 230 1/s, Temperature 25.0 Å°C	@Shear Rate 230 1/s, Temperature 77.0 Å°F	
Storage Temperature	20.0 Å°C	68.0 Å°F	sealed container

Electrical Properties	Metric	English	Comments
Surface Resistivity per Square	0.29 ohm	0.29 ohm	Normalized to 25 microns

Processing Properties	Metric	English	Comments
Cure Time	3.00 min	0.0500 hour	belt dryer
	@Temperature 130 Å°C	@Temperature 266 Å°F	
	30.0 min	0.500 hour	
	@Temperature 180 Å°C	@Temperature 356 Å°F	
	60.0 min	1.00 hour	
	@Temperature 130 Å°C	@Temperature 266 Å°F	
Shelf Life	6.00 Month	6.00 Month	

Descriptive Properties	Value	Comments
Coverage cm <sup>2</sup> /g	95.4	Using a 230 mesh stainless steel screen

## **Contact Songhan Plastic Technology Co.,Ltd.**

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