

## Gwent Electronic Materials C2030519P5 Carbon Graphite Ink

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

### Material Notes:

This Carbon Graphite Ink is designed to be used for screen printing working electrodes. These electrodes when used in conjunction with NAD+/NADH dependent dehydrogenase enzymes, enable the detection of many analytes. The ink contains Meldola's Blue mediator and it has been optimised to give superior electrochemical performance for NADH detection at potential close to 0V. Screen Printing Equipment: semi-automatic, manual  
Screen Types: stainless steel, polyester, mesh 156-230tpi  
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-C2030519P5-Carbon-Graphite-Ink.php](http://www.lookpolymers.com/polymer_Gwent-Electronic-Materials-C2030519P5-Carbon-Graphite-Ink.php)

Physical Properties	Metric	English	Comments
Solids Content	38 - 42 %	38 - 42 %	
	@Temperature 130 °C	@Temperature 266 °F	
Viscosity	2000 - 5500 cP	2000 - 5500 cP	Haake VT 550 PK1.1°
	@Shear Rate 230 1/s, Temperature 25.0 °C	@Shear Rate 230 1/s, Temperature 77.0 °F	
Storage Temperature	20.0 °C	68.0 °F	sealed container

Processing Properties	Metric	English	Comments
Cure Time	10.0 min	0.167 hour	
	@Temperature 80.0 °C	@Temperature 176 °F	
	30.0 min	0.500 hour	
	@Temperature 60.0 °C	@Temperature 140 °F	
Shelf Life	3.00 Month	3.00 Month	

Descriptive Properties	Value	Comments
Coverage cm2/g	270	Using a 230 mesh stainless steel screen

## Contact Songhan Plastic Technology Co.,Ltd.

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