

Gwent Electronic Materials C2091208D1 Carbon Graphite Ink

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

Material Notes:

This product is designed to be used for screen printing working electrodes. It gives excellent electrochemical performance with good reversibility when using cyclic voltammetry. The ink should be gently stirred before use avoiding introduction of air bubbles. This ink can be used in conjunction with UV dielectrics, good for large volume printing, and ink is very slow drying for faster drying please see C2030519P4. Screen Printing Equipment: automatic, semi-automatic, manual Screen Types: stainless steel, polyester, mesh 156-230 tpi 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-C2091208D1-Carbon-Graphite-Ink.php

Physical Properties	Metric	English	Comments
Solids Content	41 - 43 %	41 - 43 %	
	@Temperature 130 Å°C	@Temperature 266 Å°F	
Viscosity	5000 - 8000 cP	5000 - 8000 cP	Haake VT 550 PK1.1 Å°
	@Shear Rate 230 1/s, Temperature 25.0 Å°C	@Shear Rate 230 1/s, Temperature 77.0 Å°F	
Thickness	16.7 microns	0.657 mil	Cured, Printed through 230 stainless steel mesh with 13 micron emulsion
Storage Temperature	20.0 Å°C	68.0 Å°F	sealed container

Electrical Properties	Metric	English	Comments
Surface Resistivity per Square	59 ohm	59 ohm	Typical, Printed through 230 stainless steel mesh with 13 micron emulsion
	@Thickness 0.0167 mm	@Thickness 0.000657 in	

Processing Properties	Metric	English	Comments
Cure Time	30.0 min	0.500 hour	
	@Temperature 60.0 Å°C	@Temperature 140 Å°F	
Shelf Life	6.00 Month	6.00 Month	

Descriptive Properties	Value	Comments
Coverage cm ² /g	236	Using a 230 mesh stainless steel screen

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