

Gwent Electronic Materials C2000802P2 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. This ink has been optimized to give superior electrochemical performance. It combines good line definition and good electrochemical performance with good reversibility when using cyclic voltammetry. This ink can be used in conjunction with UV dielectrics and ink is fast drying for slower drying please see C2030519P4.

Screen Printing Equipment: automatic, 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-C2000802P2-Carbon-Graphite-Ink.php

Physical Properties	Metric	English	Comments
Solids Content	39 - 41 %	39 - 41 %	
	@Temperature 130 °C	@Temperature 266 °F	
Viscosity	2000 - 3500 cP	2000 - 3500 cP	Haake VT 550 PK1.1°
	@Shear Rate 230 1/s, Temperature 25.0 °C	@Shear Rate 230 1/s, Temperature 77.0 °F	
Thickness	10.0 microns	0.394 mil	Cured, Printed through 230 stainless steel mesh with 13 micron emulsion
Storage Temperature	20.0 °C	68.0 °F	sealed container

Electrical Properties	Metric	English	Comments
Surface Resistivity per Square	100 ohm	100 ohm	Typical, Printed through 230 stainless steel mesh with 13 micron emulsion

Processing Properties	Metric	English	Comments
Cure Time	15.0 min	0.250 hour	
	@Temperature 80.0 °C	@Temperature 176 °F	
	30.0 min	0.500 hour	
	@Temperature 30.0 °C	@Temperature 86.0 °F	
Shelf Life	6.00 Month	6.00 Month	

Descriptive Properties	Value	Comments
Coverage cm2/g	305	Using a 230 mesh stainless steel screen

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