Gwent Electronic Materials C10903P14 Carbon/Graphite Ink

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

Material Notes:

Carbon Graphite Ink is used for screen printing working electrodes. This is a carbon graphite ink, which has been optimized to give superior electrochemical performance with good reversibility when using cyclic voltammetry. For optimum print properties and fine lines we would recommend the use of Carbon/Graphite C2000802D2.The ink is in a ready to use form at a viscosity suitable for automatic or semiautomatic screen printing. The ink should be gently stirred before use avoiding introduction of air bubbles. It is a Polymer System for printing on polyester, PVC, Polycarbonate etc and on alumina.Information provided by Gwent Electronic Materials Ltd.

Order this product through the following link:
http://www.lookpolymers.com/polymer_Gwent-Electronic-Materials-C10903P14-CarbonGraphite-Ink.php

Physical Properties	Metric	English	Comments
Viscosity	3900 cP @Shear Rate 230 1/s, Temperature 25.0 Â°C	3900 cP @Shear Rate 230 1/s, Temperature 77.0 Â°F	Haake VT 550 PK1.1Â°
Thickness	13.0 microns	0.512 mil	printed through a 230 mesh SS screen with 13 micron emulsion back off
Storage Temperature	20.0 Â°C	68.0 Â°F	

Electrical Properties	Metric	English	Comments
Surface Resistivity per Square	45 ohm	45 ohm	cured film; 13 microns thick

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

Descriptive Properties	Value	Comments
Coverage cm2/g	820	230 mesh stainless steel screen with 13 micron emultion back off
Printing Mesh counts/inch	150 to 250	stainless steel or polyester screens

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