Gwent Electronic Materials C2030519P4 Carbon Graphite Ink

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

Material Notes:

This product is designed to be used for screen printed working electrodes. It gives excellent electrochemical performance with good reversibility when using cyclic voltammetry.This ink can be used in conjunction with UV dielectrics and ink is slow drying for faster drying please see C2000802P2 and for slower drying please see C2091208D1.Screen Printing Equipment: automatic, semi-automatic, manualScreen Types: stainless steel, polyester, mesh 156-230tpiSubstrate: polyester, PVC, polycarbonate or ceramicInformation provided by Gwent Electronic Materials Ltd.

Order this product through the following link:
http://www.lookpolymers.com/polymer_Gwent-Electronic-Materials-C2030519P4-Carbon-Graphite-Ink.php

Physical Properties	Metric	English	Comments
Solids Content	39 - 43 % @Temperature 130 Â°C	39 - 43 % @Temperature 266 Â°F	
Viscosity	3100 - 5800 cP @Shear Rate 230 1/s, Temperature 25.0 Â°C	3100 - 5800 cP @Shear Rate 230 1/s, Temperature 77.0 Â°F	Haake VT 550 PK1.1Â°
Thickness	12.0 microns	0.472 mil	Cured, Printed through 230 stainless steel mesh with 13 micron emulsion
Storage Temperature	20.0 Â°C	68.0 Â°F	sealed container

Electrical Properties	Metric	English	Comments
Surface Resistivity per Square	50 ohm	50 ohm	Typical, Printed through 230 stainless steel mesh with 13 micron emulsion

Processing Properties	Metric	English	Comments
Cure Time	15.0 min @Temperature 80.0 Â°C	0.250 hour @Temperature 176 Â°F	
	30.0 min @Temperature 60.0 Â°C	0.500 hour @Temperature 140 Â°F	
Shelf Life	6.00 Month	6.00 Month	

Descriptive Properties	Value	Comments
Coverage cm2/g	236	Using a 230 mesh stainless steel screen

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