

Gwent Electronic Materials C2080415D2 Silver Counter Electrode Paste

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

Material Notes:

This product is a screen printable polymer paste designed as a counter electrode in electrochemical biosensors. This ink can be used in conjunction with our working carbon electrode ink C2030519P4, to increase the conductivity of the carbon by printing tracks underneath. Low silver content
Screen Printing Equipment: semi-automatic, manual
Screen Types: stainless steel, polyester, mesh 156-325tpi
Substrate: Polyimide, PET, PEN
Information provided by Gwent Electronic Materials Ltd.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Gwent-Electronic-Materials-C2080415D2-Silver-Counter-Electrode-Paste.php

Physical Properties	Metric	English	Comments
Solids Content	44 - 46 %	44 - 46 %	
	@Temperature 700 °C	@Temperature 1290 °F	
Viscosity	900 - 1100 cP	900 - 1100 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

Electrical Properties	Metric	English	Comments
Surface Resistivity per Square	0.015 - 0.020 ohm	0.015 - 0.020 ohm	Printed onto 125 µm PET film
	@Thickness 0.0250 mm	@Thickness 0.000984 in	
	0.030 - 0.045 ohm	0.030 - 0.045 ohm	Printed onto 125 µm PET film
	@Thickness 0.0100 mm	@Thickness 0.000394 in	

Processing Properties	Metric	English	Comments
Cure Time	5.00 min	0.0833 hour	belt dryer
	10.0 min	0.167 hour	
	@Temperature 150 °C	@Temperature 302 °F	
	15.0 min	0.250 hour	
	@Temperature 135 °C	@Temperature 275 °F	
Shelf Life	6.00 Month	6.00 Month	

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

Descriptive Properties	250-270 Value	Comments
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Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China