

Gwent Electronic Materials C2041206P2 Gold Polymer Electrode Paste

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

Material Notes:

Gold paste is a screen printable gold polymer paste designed as a working electrode in electrochemical biosensors. This is used as a working electrode in medical diagnostics, environmental sensor and the "agri-food" industries, in conjunction with our counter electrodes and reference electrodes. The paste is suitable for self-assembled monolayers, DNA and immuno-sensors. Screen Printing Equipment: semi-automatic, manual Screen Types: stainless steel, polyester, mesh 230-325tpi Substrate: polyester, PVC, polycarbonate and alumina Information provided by Gwent Electronic Materials Ltd.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Gwent-Electronic-Materials-C2041206P2-Gold-Polymer-Electrode-Paste.php

Physical Properties	Metric	English	Comments
Solids Content	80 - 82 % @Temperature 700 Å°C	80 - 82 % @Temperature 1290 Å°F	
Viscosity	12000 - 18000 cP @Shear Rate 230 1/s, Temperature 25.0 Å°C	12000 - 18000 cP @Shear Rate 230 1/s, Temperature 77.0 Å°F	Haake VT 550 PK1.1 Å°
Thickness	27.0 microns	1.06 mil	Printed through a 230ss mesh
Storage Temperature	20.0 Å°C	68.0 Å°F	sealed container

Electrical Properties	Metric	English	Comments
Surface Resistivity per Square	110 ohm @Thickness 0.0270 mm	110 ohm @Thickness 0.00106 in	

Processing Properties	Metric	English	Comments
Cure Time	30.0 min @Temperature 180 Å°C	0.500 hour @Temperature 356 Å°F	
	60.0 min @Temperature 60.0 Å°C	1.00 hour @Temperature 140 Å°F	
Shelf Life	6.00 Month	6.00 Month	

Descriptive Properties	Value	Comments
Coverage cm2/g	90	Using a 230 mesh stainless steel screen

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