

Gwent Electronic Materials C2050804D9 Platinum Polymer Ink

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

Material Notes:

Platinum Ink is a screen printable ink designed for printing working electrodes in electrochemical sensor applications. The ink is designed for curing on polymer substrates. Screen Printing Equipment: semi-automatic, manualScreen Types: stainless steel, polyester, mesh 156-230tpiSubstrate: polyester, ceramic, KaptonInformation provided by Gwent Electronic Materials Ltd.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Gwent-Electronic-Materials-C2050804D9-Platinum-Polymer-Ink.php

Physical Properties	Metric	English	Comments
Solids Content	83 - 87 %	83 - 87 %	
	@Temperature 700 Â°C	@Temperature 1290 Â°F	
Viscosity	14000 - 22000 cP	14000 - 22000 cP	Haake VT 550 PK1.1Â°
	@Shear Rate 230 1/s, Temperature 25.0 Â°C	@Shear Rate 230 1/s, Temperature 77.0 Â°F	
Thickness	47.0 microns	1.85 mil	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	0.59 ohm	0.59 ohm	Printed through 230 stainless steel mesh with 13 micron emulsion
	@Thickness 0.0470 mm	@Thickness 0.00185 in	

Processing Properties	Metric	English	Comments
Cure Time	15.0 min	0.250 hour	
	@Temperature 130 Â°C	@Temperature 266 Â°F	
	30.0 min	0.500 hour	
	@Temperature 80.0 Â°C	@Temperature 176 Â°F	
Shelf Life	6.00 Month	6.00 Month	

Descriptive Properties	Value	Comments
Coverage cm2/g	32	Using a 230 mesh stainless steel screen

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