

Gwent Electronic Materials C2100203D2 Silver Ink

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

Material Notes:

This product is part of a range of Heat Curable Inks. These products are based on a unique curing process that results in the low temperature formation of a thermosetting polymer. This ink has excellent adhesion, chemical and environmental resistance properties. Excellent adhesion to ITO Screen Printing Equipment: semi-automatic, manual Screen Types: stainless steel, polyester, mesh 156 to 325tpi Substrate: ITO coated polyester, alumina, polyester Information provided by Gwent Electronic Materials Ltd.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Gwent-Electronic-Materials-C2100203D2-Silver-Ink.php

Physical Properties	Metric	English	Comments
Solids Content	57 - 59 %	57 - 59 %	
	@Temperature 700 Å°C	@Temperature 1290 Å°F	
Viscosity	6500 - 8500 cP	6500 - 8500 cP	Haake VT 550 PK1.1 Å°
	@Shear Rate 230 1/s, Temperature 25.0 Å°C	@Shear Rate 230 1/s, Temperature 77.0 Å°F	
Thickness	32.0 microns	1.26 mil	On alumina substrate
Storage Temperature	20.0 Å°C	68.0 Å°F	sealed container

Electrical Properties	Metric	English	Comments
Volume Resistivity	0.00040 ohm-cm	0.00040 ohm-cm	On glass slide dried at 150 Å°C for 30 min
Surface Resistivity per Square	0.040 ohm	0.040 ohm	Alumina substrate dried at 150 Å°C for 30 min
	@Temperature 150 Å°C	@Temperature 302 Å°F	

Processing Properties	Metric	English	Comments
Cure Time	3.00 min	0.0500 hour	belt dryer
	@Temperature 130 Å°C	@Temperature 266 Å°F	
	30.0 min	0.500 hour	box oven
	@Temperature 180 Å°C	@Temperature 356 Å°F	
	60.0 min	1.00 hour	box oven
	@Temperature 130 Å°C	@Temperature 266 Å°F	
Shelf Life	6.00 Month	6.00 Month	

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