

Gwent Electronic Materials C2010829D2 Silver Ink

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

Material Notes:

Silver Ink C2010829D2 is a high definition silver ink for LTCC tape. It is compatible with other members of the GEM range of Silver LTCC Inks and most LTCC tape systems on the market. The ink has been made at a ready to use viscosity and should be thoroughly stirred before use avoiding introduction of air bubbles. It can be printed on automatic and semi automatic screen printers. Information provided by Gwent Electronic Materials Ltd.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Gwent-Electronic-Materials-C2010829D2-Silver-Ink.php

Physical Properties	Metric	English	Comments
Solids Content	79 - 81 %	79 - 81 %	
Particle Size	<= 4.0 Åµm	<= 4.0 Åµm	Main Break; Fineness of Grind
	<= 12 Åµm	<= 12 Åµm	3rd Streak; Fineness of Grind
Viscosity	48000 cP @Shear Rate 100 1/s, Temperature 25.0 Å°C	48000 cP @Shear Rate 100 1/s, Temperature 77.0 Å°F	Haake VT550 cone and plate viscometer (PK1.1Å°)
Storage Temperature	20.0 Å°C	68.0 Å°F	

Electrical Properties	Metric	English	Comments
Surface Resistivity per Square	0.0025 ohm	0.0025 ohm	fired; 21 microns thick

Processing Properties	Metric	English	Comments
Processing Temperature	120 - 150 Å°C	248 - 302 Å°F	
Cure Time	10.0 - 15 min	0.167 - 0.25 hour	
Shelf Life	3.00 Month	3.00 Month	

Descriptive Properties	Value	Comments
Coverage cm2/g	95	230 mesh stainless steel screen
Printing Mesh counts/inch	180 to 340	stainless steel or polyester screens

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