

## Gwent Electronic Materials C2110127D3 Nanocopper based Paste

Category : Fluid , Other Engineering Material , Ceramic/Metallic Coating , Polymer , Thermoplastic , Adhesives, Sealants, and Coatings

### Material Notes:

This product is a nanocopper based paste for screen printing that is compatible with low temperature substrates such as paper. Produced using nanoparticles of negligible oxide content resulting in a highly conductive film after sintering The nanocopper component enables room temperature sintering in air Capable of fine line, high resolution printing. Screen Printing Equipment: reel to reel, semi-automatic, manual Screen Type: polyester, stainless steel Substrate: paper Information provided by Gwent Electronic Materials Ltd.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Gwent-Electronic-Materials-C2110127D3-Nanocopper-based-Paste.php](http://www.lookpolymers.com/polymer_Gwent-Electronic-Materials-C2110127D3-Nanocopper-based-Paste.php)

Physical Properties	Metric	English	Comments
Solids Content	70 - 76 %	70 - 76 %	
	@Temperature 130 Â°C	@Temperature 266 Â°F	
Viscosity	10000 - 30000 cP	10000 - 30000 cP	Bohlin CVO 100
	@Shear Rate 50.0 1/s, Temperature 25.0 Â°C	@Shear Rate 50.0 1/s, Temperature 77.0 Â°F	
Thickness	8.00 - 12.0 microns	0.315 - 0.472 mil	cured
Storage Temperature	20.0 Â°C	68.0 Â°F	sealed container

Electrical Properties	Metric	English	Comments
Surface Resistivity per Square	0.0084 ohm	0.0084 ohm	cured
	@Thickness 0.0100 mm	@Thickness 0.000394 in	

Processing Properties	Metric	English	Comments
Cure Time	30.0 min	0.500 hour	
	@Temperature 60.0 Â°C	@Temperature 140 Â°F	
Shelf Life	3.00 Month	3.00 Month	

Descriptive Properties	Value	Comments
Coverage cm <sup>2</sup> /g	110-130	
Line Thickness, Âµm	20	using a 325 mesh
Line Width, Âµm	200	minimum

## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

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