

## Gwent Electronic Materials C2121119D9 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 that is designed for flat bed screens. The product is compatible with printing on PET substrates such as the DuPont Melinex ST-505. Produced using nano-particles that have 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: P.E.T. Melinex (ST 505 or similar) Information provided by Gwent Electronic Materials Ltd.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Gwent-Electronic-Materials-C2121119D9-Nanocopper-based-Paste.php](http://www.lookpolymers.com/polymer_Gwent-Electronic-Materials-C2121119D9-Nanocopper-based-Paste.php)

Physical Properties	Metric	English	Comments
Solids Content	82 - 90 %	82 - 90 %	
	@Temperature 130 Å°C	@Temperature 266 Å°F	
Viscosity	10000 - 30000 cP	10000 - 30000 cP	Bohlin CVO 100
	@Shear Rate 50.0 1/s, Temperature 25.0 Å°C	@Shear Rate 50.0 1/s, Temperature 77.0 Å°F	
Thickness	10.0 - 30.0 microns	0.394 - 1.18 mil	cured
Storage Temperature	20.0 Å°C	68.0 Å°F	sealed container

Electrical Properties	Metric	English	Comments
Surface Resistivity per Square	0.0030 - 0.0090 ohm	0.0030 - 0.0090 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 Å°C	@Temperature 140 Å°F	
Shelf Life	3.00 Month	3.00 Month	

Descriptive Properties	Value	Comments
Coverage cm <sup>2</sup> /g	110-130	
Line Thickness, Åµm	30	using a 325 mesh
Line Width, Åµm	75	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**