

## Gwent Electronic Materials C2061027P13 High Brightness Phosphor Ink (Blue/Green)

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

### Material Notes:

This product is part of a range of Heat Curable Inks designed specifically for use in Electro Luminescent systems. These products are based on a unique curing process that results in the low temperature formation of a thermosetting polymer. Excellent adhesion to ITO, chemical and environmental resistance. Screen Printing Equipment: semi-automatic, manual Screen Types: up to 156 tpi polyester Substrate: ITO coated polyester Information provided by Gwent Electronic Materials Ltd.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Gwent-Electronic-Materials-C2061027P13-High-Brightness-Phosphor-Ink-BlueGreen.php](http://www.lookpolymers.com/polymer_Gwent-Electronic-Materials-C2061027P13-High-Brightness-Phosphor-Ink-BlueGreen.php)

Physical Properties	Metric	English	Comments
Solids Content	75 - 83 %	75 - 83 %	
	@Temperature 150 Å°C	@Temperature 302 Å°F	
Viscosity	710 - 2150 cP	710 - 2150 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	30.0 microns	1.18 mil	Cured thickness on 175 Åµm ITO coated polyester
Storage Temperature	20.0 Å°C	68.0 Å°F	sealed container

Processing Properties	Metric	English	Comments
Cure Time	3.00 min	0.0500 hour	belt dryer
	@Temperature 130 Å°C	@Temperature 266 Å°F	
	10.0 min	0.167 hour	box oven
	@Temperature 130 Å°C	@Temperature 266 Å°F	
Shelf Life	6.00 Month	6.00 Month	

Descriptive Properties	Value	Comments
Coverage cm <sup>2</sup> /g	120	Using a 156 mesh polyester screen
Luminance	76.9	Phosphor powder, 24 hrs/cdm <sup>2</sup>
Phosphor Color	blue / green	When switched on

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