

## Gwent Electronic Materials C2080211P2 High Brightness Phosphor Ink (Blue/Green & Blue)

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. This Phosphor has been designed to be used with Dielectric ink D2090130D5 to produce a white light only

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-C2080211P2-High-Brightness-Phosphor-Ink-BlueGreen-Blue.php](http://www.lookpolymers.com/polymer_Gwent-Electronic-Materials-C2080211P2-High-Brightness-Phosphor-Ink-BlueGreen-Blue.php)

Physical Properties	Metric	English	Comments
Solids Content	77.5 - 81.5 %	77.5 - 81.5 %	
	@Temperature 150 Â°C	@Temperature 302 Â°F	
Viscosity	860 - 2500 cP	860 - 2500 cP	Haake VT 550 PK1.1Â°
	@Shear Rate 230 1/s, Temperature 25.0 Â°C	@Shear Rate 230 1/s, Temperature 77.0 Â°F	
Thickness	30.0 microns	1.18 mil	Cured thickness on 175Âµm ITO coated polyester
Storage Temperature	20.0 Â°C	68.0 Â°F	sealed container

Processing Properties	Metric	English	Comments
Cure Time	3.00 min	0.0500 hour	belt dryer
	@Temperature 130 Â°C	@Temperature 266 Â°F	
	10.0 min	0.167 hour	box oven
	@Temperature 130 Â°C	@Temperature 266 Â°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	49.2	Phosphor powder, 24 hrs/cdm<sup>2</sup>
Phosphor Color	blue	
	white	when used with D2090130D5

## **Contact Songhan Plastic Technology Co.,Ltd.**

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