Gwent Electronic Materials C2070209P5 High Brightness Phosphor Ink (Green)

Category : Fluid , 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, manualScreen Types: up to 156 tpi polyesterSubstrate: ITO coated polyesterInformation provided by Gwent Electronic Materials Ltd.

Order this product through the following link:
http://www.lookpolymers.com/polymer_Gwent-Electronic-Materials-C2070209P5-High-Brightness-Phosphor-Ink-Green.php

Physical Properties	Metric	English	Comments
Solids Content	79 - 82 % @Temperature 150 Â°C	79 - 82 % @Temperature 302 Â°F	
Viscosity	1500 - 2500 cP @Shear Rate 230 1/s, Temperature 25.0 Â°C	1500 - 2500 cP @Shear Rate 230 1/s, Temperature 77.0 Â°F	Haake VT 550 PK1.1Â°
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 @Temperature 130 Â°C	0.0500 hour @Temperature 266 Â°F	belt dryer
	10.0 min @Temperature 130 Â°C	0.167 hour @Temperature 266 Â°F	box oven
Shelf Life	6.00 Month	6.00 Month	

Descriptive Properties	Value	Comments
Coverage cm2/g	120	Using a 156 mesh polyester screen
Luminance	73.9	Phosphor powder, 24 hrs/cdm²
Phosphor Color	green	When switched on

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