

Gwent Electronic Materials C2090210P12 Silver Ink

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

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. This ink has excellent adhesion, chemical and environmental resistance properties. Excellent adhesion to ITO, chemical and environmental resistance. Screen Printing Equipment: semi-automatic, manual Screen Types: stainless steel, polyester, mesh 156-325tpi 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-C2090210P12-Silver-Ink.php

| Physical Properties | Metric | English | Comments |
|---------------------|---|---|--|
| Solids Content | 57 - 59.75 % | 57 - 59.75 % | |
| | @Temperature 700 °C | @Temperature 1290 °F | |
| Viscosity | 6500 - 8500 cP | 6500 - 8500 cP | Haake VT 550 PK1.1° |
| | @Shear Rate 230 1/s, Temperature 25.0 °C | @Shear Rate 230 1/s, Temperature 77.0 °F | |
| Thickness | 10.0 microns | 0.394 mil | Cured Film Thickness on 175µm ITO coated polyester |
| Storage Temperature | 20.0 °C | 68.0 °F | sealed container |

| Electrical Properties | Metric | English | Comments |
|--------------------------------|----------------------|------------------------|---------------------------------|
| Surface Resistivity per Square | 0.20 ohm | 0.20 ohm | Normalized, Printed on PET Film |
| | @Thickness 0.0250 mm | @Thickness 0.000984 in | |

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

| Descriptive Properties | Value | Comments |
|-----------------------------|-------|---|
| Coverage cm ² /g | 165 | Using a 230 mesh stainless steel screen |

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