

Gwent Electronic Materials D2070412D3 Polymer Dielectric

Category : Fluid , Polymer

Material Notes:

Green colored screen printable polymer dielectric, suitable for defining electrode areas and forms a protective layer over the electrode tracking during immersion of the electrode. The formulation is designed for maximum flexibility. Screen Printing Equipment: semi-automatic, automatic
Screen Types: stainless steel, polyester, mesh 156 to 325tpi
Substrate: Polyester, PVC, Polycarbonate, Ceramic or Alumina.
Information provided by Gwent Electronic Materials Ltd.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Gwent-Electronic-Materials-D2070412D3-Polymer-Dielectric.php

Physical Properties	Metric	English	Comments
Solids Content	44.5 - 45.5 %	44.5 - 45.5 %	
	@Temperature 150 Â°C	@Temperature 302 Â°F	
Viscosity	11000 - 15000 cP	11000 - 15000 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	
	15000 - 18000 cP	15000 - 18000 cP	Haake VT 550 PK1.1Â°
	@Shear Rate 50.0 1/s, Temperature 25.0 Â°C	@Shear Rate 50.0 1/s, Temperature 77.0 Â°F	
Storage Temperature	20.0 Â°C	68.0 Â°F	sealed container

Processing Properties	Metric	English	Comments
Cure Time	15.0 min	0.250 hour	
	@Temperature 130 Â°C	@Temperature 266 Â°F	
	30.0 min	0.500 hour	
	@Temperature 80.0 Â°C	@Temperature 176 Â°F	
Shelf Life	6.00 Month	6.00 Month	

Descriptive Properties	Value	Comments
Coverage cm2/g	281	Using a 230 mesh stainless steel screen with 13 micron emulsion
Solvent Resistance	Acetone	Attack
	Acetone	Attack
	DMAC	Attack
	DMAC	Attack

Descriptive Properties	Value	Comments
	DMF	Attack
	MEK	Full Attack
	MEK	Full Attack
	THF	Attack
	THF	Attack

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