

Gwent Electronic Materials D2080121D12 Dielectric Ink

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

Material Notes:

This product is a thermoplastic screen printing ink, developed for use for flexible polymer applications. It is printed on to flexible polymeric substrates, such as Polyimide and PET substrates, to create an insulation layer over highly conductive tracks for general circuit applications. It is compatible with a range of silver and carbon curing systems in order to construct simple circuits. The ink has under gone extensive electrical and mechanical testing to show that it is very flexible. Screen Printing Equipment: semi-automatic, manualScreen Types: stainless steel, polyester, mesh 156 to 325tpiSubstrate: Polyester, PVC, or CeramicInformation provided by Gwent Electronic Materials Ltd.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Gwent-Electronic-Materials-D2080121D12-Dielectric-Ink.php

Physical Properties	Metric	English	Comments
Solids Content	47 - 48 %	47 - 48 %	for 60 min
	@Temperature 150 Â°C	@Temperature 302 Â°F	
Viscosity	9500 - 14000 cP	9500 - 14000 cP	Haake VT 550 PK1.1 Â°
	@Shear Rate 230 1/s, Temperature 25.0 Â°C	@Shear Rate 230 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 150 Â°C	@Temperature 302 Â°F	
Shelf Life	6.00 Month	6.00 Month	

Descriptive Properties	Value	Comments
Coverage cm2/g	260	Using a 230 mesh stainless steel screen

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