

Gwent Electronic Materials C2100316D1 Nickel Ink

Category : Fluid , Metal , Other Engineering Material , Ceramic/Metallic Coating

Material Notes:

This product has been designed as a nickel ink for use in internal electrodes and for use with Solid Oxide Fuel Cells. This electrode ink is designed for use with ML Ceramic Tapes. The ink should be gently stirred before use avoiding introduction of air bubbles. This product is in a ready to use form at a viscosity suitable for automatic or semi-automatic screen printing. Screen Printing Equipment: semi-automatic, manual Screen Types: stainless steel, polyester, mesh 200 tpi Information provided by Gwent Electronic Materials Ltd.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Gwent-Electronic-Materials-C2100316D1-Nickel-Ink.php

Physical Properties	Metric	English	Comments
Solids Content	67 - 70 %	67 - 70 %	
	@Temperature 150 °C	@Temperature 302 °F	
Viscosity	9000 - 12000 cP	9000 - 12000 cP	Haake VT 550 PK1.1°
	@Shear Rate 230 1/s, Temperature 25.0 °C	@Shear Rate 230 1/s, Temperature 77.0 °F	
Storage Temperature	20.0 °C	68.0 °F	sealed container

Processing Properties	Metric	English	Comments
Sintering Temperature	>= 850 °C	>= 1560 °F	Reducing atmosphere
Cure Time	10.0 min	0.167 hour	
	@Temperature 150 °C	@Temperature 302 °F	
Shelf Life	6.00 Month	6.00 Month	

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