

Gwent Electronic Materials C2011004P5 Platinum Ink

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

Material Notes:

Platinum Ink is designed for oxygen sensor applications. This is a pure platinum ink with no inorganic additions to give maximum response to oxygen. It is suitable for firing on to other high temperature ceramic substrates, in particular zirconia. Application: brushing/dipping " not suitable for screen printing Substrate: stabilized zirconia and other high temperature ceramic substrates Information provided by Gwent Electronic Materials Ltd.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Gwent-Electronic-Materials-C2011004P5-Platinum-Ink.php

Physical Properties	Metric	English	Comments
Solids Content	78.9 - 79.1 %	78.9 - 79.1 %	
	@Temperature 700 Â°C	@Temperature 1290 Â°F	
Viscosity	130 - 2580 cP	130 - 2580 cP	
	@Shear Rate 230 1/s, Temperature 25.0 Â°C	@Shear Rate 230 1/s, Temperature 77.0 Â°F	Haake VT 550 PK1.1Â°
Storage Temperature	20.0 Â°C	68.0 Â°F	sealed container

Processing Properties	Metric	English	Comments
Sintering Temperature	1000 - 1300 Â°C	1830 - 2370 Â°F	Firing profile should be over 1-2 hrs with 10-20 mins at peak temperature.
Cure Time	10.0 min	0.167 hour	
	@Temperature 125 Â°C	@Temperature 257 Â°F	
	15.0 min	0.250 hour	
	@Temperature 100 Â°C	@Temperature 212 Â°F	
Shelf Life	6.00 Month	6.00 Month	

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