

Gwent Electronic Materials C2100419D1 Copper Paste

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

Material Notes:

This product has been designed as a copper ink for use in termination and circuit printing on ceramic substrates. This product contains a glass frit so may not be suitable for internal electrodes. This product is in a ready to use form at a viscosity suitable for automatic or semi-automatic screen printing. Economical, lead-free formulation for ceramic applications. Screen Printing Equipment: semi-automatic, manual. Screen Types: stainless steel, polyester, mesh 200-230 tpi. Substrate: Ceramic, Barium Titanate, alumina. Information provided by Gwent Electronic Materials Ltd.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Gwent-Electronic-Materials-C2100419D1-Copper-Paste.php

Physical Properties	Metric	English	Comments
Solids Content	74 - 76 % @Temperature 700 Å°C	74 - 76 % @Temperature 1290 Å°F	in N₂
Viscosity	28000 - 32000 cP @Shear Rate 50.0 1/s, Temperature 25.0 Å°C	28000 - 32000 cP @Shear Rate 50.0 1/s, Temperature 77.0 Å°F	Haake VT 550 PK1.1 Å°
Storage Temperature	20.0 Å°C	68.0 Å°F	sealed container

Electrical Properties	Metric	English	Comments
Surface Resistivity per Square	0.0090 ohm	0.0090 ohm	printed through 230 ss mesh with 13 Åµm emulsion

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

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