

Gwent Electronic Materials C2050905D3 80:20 Silver Palladium Ink

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

Material Notes:

C2050905D3 is an ink based on a 80:20 ratio of Silver:Palladium; a screen printing internal electrode ink for flexible PZT components. This Material is compatible with PVB tape. The ink is designed to form a flexible dried film so the laminated structure can be preformed into many shapes. This ink is in a ready to use form at a viscosity suitable for automatic or semiautomatic screen printing. The ink should be gently stirred before use avoiding introduction of air bubbles. Screen Printing Equipment: semi-automatic, manual Screen Types: stainless steel, polyester. 180-340 mesh Substrate: Multilayer or Single layer PZT tapes and foils Information provided by Gwent Electronic Materials Ltd.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Gwent-Electronic-Materials-C2050905D3-8020-Silver-Palladium-Ink.php

Physical Properties	Metric	English	Comments
Solids Content	51.5 - 53.5 % @Temperature 800 Â°C	51.5 - 53.5 % @Temperature 1470 Â°F	
Viscosity	2000 cP @Shear Rate 230 1/s, Temperature 25.0 Â°C	2000 cP @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	850 - 1150 Â°C	1560 - 2100 Â°F	
Cure Time	2.00 min @Temperature 150 Â°C	0.0333 hour @Temperature 302 Â°F	
	4.00 min @Temperature 75.0 Â°C	0.0667 hour @Temperature 167 Â°F	
Shelf Life	6.00 Month	6.00 Month	

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