

Gwent Electronic Materials C2050830D8 80:20 Silver Palladium Ink

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

Material Notes:

C2050830D8 is an ink based on a 80:20 ratio of Silver:Palladium. It is designed for use in Single Layer PZT applications. This ink can be used in both dip and hand soldering. 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-C2050830D8-8020-Silver-Palladium-Ink.php

Physical Properties	Metric	English	Comments
Solids Content	59.5 - 60.5 % @Temperature 800 Å°C	59.5 - 60.5 % @Temperature 1470 Å°F	
Viscosity	12000 - 15000 cP @Shear Rate 230 1/s, Temperature 25.0 Å°C	12000 - 15000 cP @Shear Rate 230 1/s, Temperature 77.0 Å°F	Haake VT 550 PK1.1 Å°
Thickness	9.00 microns	0.354 mil	Fired thickness, printed through 325ss mesh
Storage Temperature	20.0 Å°C	68.0 Å°F	sealed container

Mechanical Properties	Metric	English	Comments
Adhesive Bond Strength	>= 10.0 MPa	>= 1450 psi	on Alumina substrate

Electrical Properties	Metric	English	Comments
Surface Resistivity per Square	0.017 ohm	0.017 ohm	

Processing Properties	Metric	English	Comments
Sintering Temperature	850 - 1150 Å°C	1560 - 2100 Å°F	
Cure Time	15.0 min @Temperature 150 Å°C	0.250 hour @Temperature 302 Å°F	
Shelf Life	6.00 Month	6.00 Month	

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