Gwent Electronic Materials C2080409D2 Silver/Silver Chloride Paste

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

Material Notes:

Silver/Silver Chloride Paste has a ratio of Silver to Silver Chloride of 85/15. The paste is in a ready to use form at a viscosity suitable for automatic or semi-automatic screen printing. The paste should be gently stirred before use avoiding introduction of air bubbles. Applications in medical diagnostics, environmental sensor and the â€™agri-foodâ€™ industriesScreen Printing Equipment: semi-automatic, manualScreen Types: polyester, mesh 156-230tpiSubstrate: Polyester, PVC, Polycarbonate or ceramic Note: Stainless steel mesh is not recommended, since a paste component can become corrosive in the presence of moisture. Also, plastic palette knives should be used instead of metal knives.Information provided by Gwent Electronic Materials Ltd.

Order this product through the following link:
http://www.lookpolymers.com/polymer_Gwent-Electronic-Materials-C2080409D2-SilverSilver-Chloride-Paste.php

Physical Properties	Metric	English	Comments
Solids Content	81.14 - 83.14 % @Temperature 130 Â°C	81.14 - 83.14 % @Temperature 266 Â°F	
Viscosity	3500 - 7000 cP @Shear Rate 230 1/s, Temperature 25.0 Â°C	3500 - 7000 cP @Shear Rate 230 1/s, Temperature 77.0 Â°F	Haake VT 550 PK1.1Â°
Thickness	25.0 microns	0.984 mil	Using a 156 mesh stainless steel screen, 13 micron emulsion
Storage Temperature	20.0 Â°C	68.0 Â°F	sealed container

Electrical Properties	Metric	English	Comments
Surface Resistivity per Square	0.20 ohm @Thickness 0.0200 mm	0.20 ohm @Thickness 0.000787 in	Using a 156 stainless steel mesh, 13 micron emulsion

Processing Properties	Metric	English	Comments
Cure Time	10.0 min @Temperature 80.0 Â°C	0.167 hour @Temperature 176 Â°F	
	30.0 min @Temperature 60.0 Â°C	0.500 hour @Temperature 140 Â°F	
Shelf Life	3.00 Month	3.00 Month	

Descriptive Properties	Value	Comments

Descriptive Properties	Value	Comments
Coverage cm2/g	110	Using a 230 mesh stainless steel screen

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