

Gwent Electronic Materials C2051014P10 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 70/30. Applications in medical diagnostics, environmentalScreen

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-C2051014P10-SilverSilver-Chloride-Paste.php

Physical Properties	Metric	English	Comments
Solids Content	81.14 - 83.14 %	81.14 - 83.14 %	
	@Temperature 130 Â°C	@Temperature 266 Â°F	
Viscosity	3500 - 7000 cP	3500 - 7000 cP	Haake VT 550 PK1.1Â°
	@Shear Rate 230 1/s, Temperature 25.0 Â°C	@Shear Rate 230 1/s, Temperature 77.0 Â°F	
Thickness	18.0 microns	0.709 mil	Cured, Typical, Using a 230 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	0.34 ohm	0.34 ohm	Typical, Using a 230 mesh stainless steel screen, 13 micron emulsion

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

Descriptive Properties	Value	Comments
Coverage cm2/g	130	Using a 230 mesh stainless steel screen

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