Gwent Electronic Materials C61003P7 Silver / Silver Chloride Paste

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

Material Notes:

C61003P7 has a ratio of Silver to Silver Chloride of 60/40. This is used for reference electrodes in Medical Diagnostics, Environmental Sensor and the "Agri-Food" Industries. It forms part of a family of reference electrode materials with ratios from 40/60 through 90/10 Silver/Silver Chloride.The paste is in a ready to use form at a viscosity suitable for automatic or semiautomatic screen printing. The paste should be gently stirred before use avoiding introduction of air bubbles. It is a Polymer System for printing on polyester, PVC, Polycarbonate etc and on alumina.Information provided by Gwent Electronic Materials Ltd.

Order this product through the following link:
http://www.lookpolymers.com/polymer_Gwent-Electronic-Materials-C61003P7-Silver-Silver-Chloride-Paste.php

Physical Properties	Metric	English	Comments
Viscosity	5300 cP @Shear Rate 230 1/s, Temperature 25.0 Â°C	5300 cP @Shear Rate 230 1/s, Temperature 77.0 Â°F	Haake Viscosity
Thickness	13.0 microns	0.512 mil	when printed through a 156 mesh
Storage Temperature	20.0 Â°C	68.0 Â°F	in a sealed pot

Electrical Properties	Metric	English	Comments
Surface Resistivity per Square	0.50 ohm	0.50 ohm	cured film; 16 microns thick

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
Coverage cm2/g	220	156 mesh polyester mesh screen with 13 micron emultion back off
Printing Mesh counts/inch	120 to 200	typical screen size is 156 Polyester

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