

Gwent Electronic Materials C2080529D7 Carbon Flexographic Ink

Category : Carbon , Fluid

Material Notes:

Carbon conductor ink specifically designed for printing on to polymeric or paper substrates using flexographic printing. Ink can be printed at speeds up to 20m/min, with good line definition and good conductivity. Testing was carried out on a Timsons T-Flex 508 and Nilpeter FB-3300. Substrate: Polyester, PVC, BOPP, Cellophane, Paper or Cellulosic Board. Information provided by Gwent Electronic Materials Ltd.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Gwent-Electronic-Materials-C2080529D7-Carbon-Flexographic-Ink.php

Physical Properties	Metric	English	Comments
Solids Content	30 - 34 %	30 - 34 %	
	@Temperature 130 °C	@Temperature 266 °F	
Viscosity	200 - 500 cP	200 - 500 cP	Haake VT 550 PK1.1°
	@Shear Rate 50.0 1/s, Temperature 25.0 °C	@Shear Rate 50.0 1/s, Temperature 77.0 °F	
Storage Temperature	20.0 °C	68.0 °F	sealed container

Electrical Properties	Metric	English	Comments
Volume Resistivity	0.0109 ohm-cm	0.0109 ohm-cm	Printed onto 125µm PET film using 18cm ³ m ⁻² anilox
Surface Resistivity per Square	350 - 400 ohm	350 - 400 ohm	Printed onto 125µm PET film using 18cm ³ m ⁻² anilox
	@Thickness 0.0250 mm	@Thickness 0.000984 in	
	1400 - 1600 ohm	1400 - 1600 ohm	Printed onto 125µm PET film using 18cm ³ m ⁻² anilox
	@Thickness 0.00500 mm	@Thickness 0.000197 in	

Processing Properties	Metric	English	Comments
Shelf Life	6.00 Month	6.00 Month	

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