Heraeus Clevios‚„¢ PH Conductive Sulfonate Polymer for Antistatic Coatings

Category : Polymer

Material Notes:

Poly(3,4-ethylenedioxythiophene)poly(styrenesulfonate), provided as an aqueous dispersion used to produce thin film antistatic coatings. Clevios‚„¢ PH is an antistatic material based on PEDOT:PSS â€“ chemistry for electronics applications. This conductive polymer is a homogenized version of Clevios‚„¢ P with a very high transmission in the visible spectrum and a mean particle size â€“ d50 approx. 30 nm (swollen). Typical applications include the antistatic coating of PET or Polycarbonate films for antistatic trays and blister tapes, films for dust protection of components in the LCD industry, antistatic coating of glass, high quality antistatic-coated papers, and other ESD and dissipative applicationsApplication Methods: Dipping, Spraying, Printing (including gravure, slot-die)Information provided by Heraeus, Conductive Polymers Division.

Order this product through the following link:
http://www.lookpolymers.com/polymer_Heraeus-Clevios-PH-Conductive-Sulfonate-Polymer-for-Antistatic-Coatings.php

Physical Properties	Metric	English	Comments
Density	1.003 g/cc @Temperature 20.0 Â°C	0.03624 lb/inÂ³ @Temperature 68.0 Â°F	
Solids Content	1.2 - 1.4 %	1.2 - 1.4 %	As Supplied
Particle Size	0.030 Âµm	0.030 Âµm	D₅₀ swollen
pH	1.5 - 2.5	1.5 - 2.5	As Supplied
Viscosity	10 - 30 cP	10 - 30 cP	As Supplied
Surface Tension	71 dynes/cm @Temperature 20.0 Â°C	71 dynes/cm @Temperature 68.0 Â°F	

Optical Properties	Metric	English	Comments
Refractive Index	1.5228 @Wavelength 589 nm	1.5228 @Wavelength 589 nm	
Transmission, Visible	>= 90 % @Thickness 0.000100 mm	>= 90 % @Thickness 0.00000394 in	Applied Coating

Electrical Properties	Metric	English	Comments
Electrical Resistivity	0.0100 - 0.100 ohm-cm	0.0100 - 0.100 ohm-cm	Applied Coating; formulated with DMSO or MEG
Surface Resistivity per Square	1.00e+6 ohm	1.00e+6 ohm	Applied Coating

Processing Properties	Metric	English	Comments
Shelf Life	9.00 Month @Temperature 20.0 Â°C	9.00 Month @Temperature 68.0 Â°F	in unopened original container

Descriptive Properties	Value	Comments
Form Supplied	Liquid	
Odor	None	

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