

Heraeus Cleviosâ„ç P VP CH 8000 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. Cleviosâ„ç P VP CH 8000 is an antistatic material based on PEDOT:PSS " chemistry for electronics applications. This conductive polymer is a highly resistive dispersion for hole injection layers version of Cleviosâ„ç P. 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 applications. Application 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-P-VP-CH-8000-Conductive-Sulfonate-Polymer-for-Antistatic-Coatings.php

Physical Properties	Metric	English	Comments
Solids Content	2.4 - 3.0 %	2.4 - 3.0 %	As Supplied
Particle Size	$\geq 0.035 \mu\text{m}$	$\geq 0.035 \mu\text{m}$	D ₅₀
	$\leq 0.050 \mu\text{m}$	$\leq 0.050 \mu\text{m}$	D ₅₀
pH	1.0 - 2.0	1.0 - 2.0	As Supplied
Viscosity	2.0 - 20 cP	2.0 - 20 cP	As Supplied

Thermal Properties	Metric	English	Comments
Boiling Point	100 °C	212 °F	As Supplied

Electrical Properties	Metric	English	Comments
Electrical Resistivity	50000 - 300000 ohm-cm	50000 - 300000 ohm-cm	

Processing Properties	Metric	English	Comments
Shelf Life	12.0 Month	12.0 Month	in unopened original container
	@Temperature 5.00 - 10.0 °C	@Temperature 41.0 - 50.0 °F	

Descriptive Properties	Value	Comments
Form Supplied	Dark Blue Liquid	
Odor	None	

PEDOT work function Descriptive Properties	5.2 eV Value	Comments
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Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China