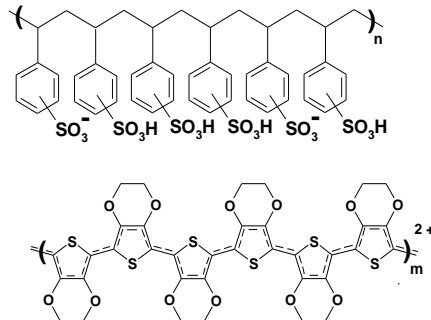


## CLEVIOS™ P

### Chemical Formula



Poly(3,4-ethylenedioxythiophene)-poly(styrenesulfonate)

**Description of Product** Aqueous dispersion, blue liquid.

**Synonyms / Abbreviations** PEDT / PSS, PEDOT / PSS

### Chemical Characteristics<sup>1</sup>

(Mass fraction in % [cg/g]; ppm [µg/g])

	Limit		
Sodium	max.	500	ppm
Sulfate	max.	80	ppm

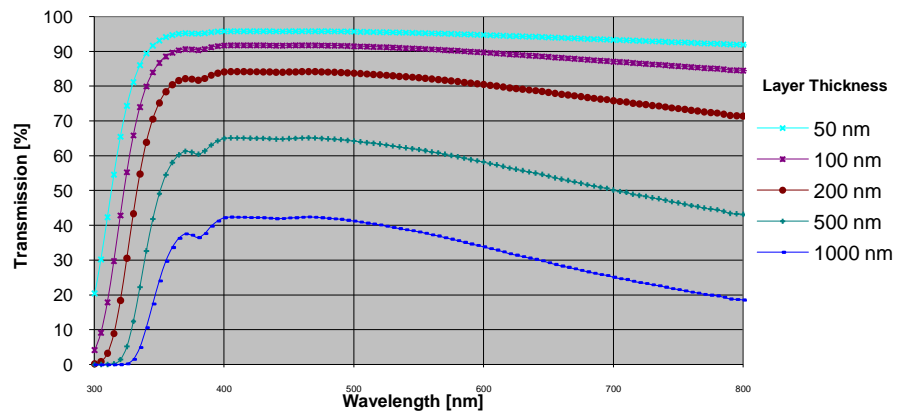
### Physical Characteristics<sup>1</sup>

Solid content	1.2	-	1.4	%
Viscosity	60	-	100	mPa·s
pH-value	1.5	-	2.5	
Surface resistivity	max.	1		MOhm/sq

### Technical Data (guide values, not a specification)

Conductivity	max.	1	S/cm	(depending on the type of coating formulation)
Density at 20 °C		1.003	g/cm <sup>3</sup>	
Mean particle size	approx.	80	nm	(size of the swollen gel particles)
Refractive index at 589 nm		1.5228		
Surface tension at 20 °C		71	mN/m	

## Transmission of dry PEDOT/PSS in the UV/VIS range of light



### Storage and Handling **Avoid freezing!**

Storage and handling are subject to the rules and regulations in the country of use. When stored at temperatures between 5°C and a maximum of 30°C, CLEVIOS™ P will remain stable for 9 months from date of production in sealed original containers. After opening the containers must be well closed to prevent the evaporation of water which may result in the formation of a non re-dispersible film. The product is sensitive to frost and should therefore not be stored at temperatures below 5°C. The product cannot be used if it has been frozen. Brief heating to max. 50°C has no adverse effect on product properties.

**Hazards identification** See material safety data sheet.

**Documentation** An inspection document in accordance with EN 10204 is supplied with every commercial order. Inspection documents for samples are supplied on request.

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