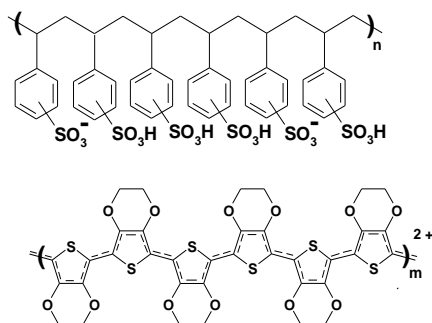


## CLEVIOS™ PH 500

### Chemical Formula



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

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

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

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

	Min		Max	Unit
Solid content	1.0	-	1.3	%
Specific conductivity*	300			S/cm
Viscosity	8	-	25	mPas
Particle Size Distribution d <sub>50</sub>			50	nm

\*After the addition of 5% Dimethyl sulfoxide. Measured on the dried coating.

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

Form	liquid
Odour	odourless
Colour	dark blue
PEDOT:PSS ratio	1:2.5 (by weight)
pH	1.5 – 2.5 at 20°C
Density	1 g/cm <sup>3</sup> at 20°C
Boiling Point	approx 100°C

1) Information on test methods is available on request.

**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 10°C, CLEVIOS™ PH 500 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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