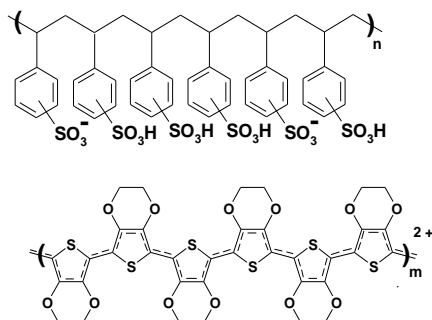


CLEVIOS™ PH 510

Chemical Formula



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

Description of Product Aqueous dispersion, blue liquid.

Synonyms / Abbreviations PEDT / PSS, PEDOT / PSS

Physical Characteristics¹

	Min		Max	Unit
Solid content	1.5	-	1.9	%
Specific conductivity*	300			S/cm
Viscosity	20	-	100	mPas
Particle Size Distribution d_{50}			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 ³ 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 510 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.

Contact john.bayley@heraeus.com
Phone: +49 214 30-26718, Telefax: +49 214 30-56284

Note: **PRELIMINARY SPECIFICATION** (The product described is still under test. Amendments of all technical data are possible. Special care has to be taken while processing.)

Heraeus Clevios GmbH
CHEMPARK Leverkusen
Building B 202,
51368 Leverkusen/Germany
Phone +49 214 30-1, Fax +49 214 30-56284

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