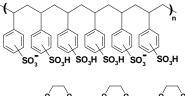


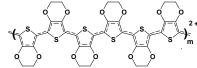
CONDUCTIVE POLYMERS DIVISION

Number 81076210 Issue 2013-02-04

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 Characteristics¹

	Min		Max	Unit
Solid content	1.0	-	1.3	%
Specific conductivity*	300			S/cm
Viscosity	8	-	25	mPas

^{*}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.



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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℃ and a maxim um of 10℃,

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℃. 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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