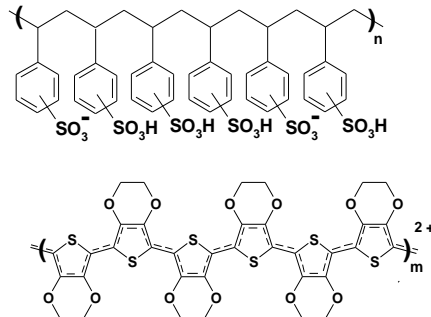


## CLEVIOS™ P VP AI 4083

### 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>

	Min	Max	Unit
Sodium		400	ppm
Sulfate		40	ppm

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

	Min	Max	Unit
Solid content	1.3	- 1.7	%
Resistivity	500	- 5000	Ωcm
Viscosity	5	- 12	mPas
Particle Size Distribution d <sub>50</sub>		80	nm
Particle Size Distribution d <sub>90</sub>		100	nm

1) Information on test methods is available on request.

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

Form	liquid
Odour	odourless
Colour	dark blue
PEDOT:PSS ratio	1:6 (by weight)
PEDOT work function	approx 5.2 eV
pH	1.2 – 2.2 at 20°C
Boiling Point	approx 100°C

## 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™ P VP AI 4083 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](mailto:john.bayley@heraeus.com)  
Phone: +49 214 30-26718, Telefax: +49 214 30-56284

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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