

## CLEVIOS™ P VP AI 4083

**Description of Product**    aqueous PEDOT / PSS dispersion, blue liquid

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### Characteristics<sup>1)</sup>

	Min		Max	Unit
Solids content	1.3	-	1.7	%
Resistivity (dried layer)	500	-	5000	Ohm·cm
Viscosity	5	-	12	mPas
Particle Size Distribution d <sub>50</sub>			80	nm
Particle Size Distribution d <sub>90</sub>			100	nm
Sodium			400	ppm
Sulfate			40	ppm

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

Form	liquid
Colour	dark blue
Work function (dried layer)	approx 5.2 eV
PEDOT:PSS ratio	1:6 (by weight)
pH	1.0 – 2.0 at 20°C
Boiling Point	approx 100°C

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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™ P VP AI 4083 will remain stable for 12 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 redispersible 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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