

## PSL Rheotek Dynamic Viscosity Standards



### ASTM D2162, ASTM D445, ASTM D7042, ASTM D7483, IP543, ISO/IEC 17025

PSL Rheotek dynamic Viscosity Reference Standards are suitable for verifying or calibrating a wide range of rheometers, rotational viscometers, cone and plate, and rolling ball viscometers.

### Dynamic Viscosity Certified Ranges

PSL Rheotek dynamic viscosity reference materials are calibrated at a number of different temperatures, including 20, 25, 40, 50, and 100°C. At 25°C, viscosity values can be certified from less than 1 mPa·s to over 74,000 mPa·s.

PSL Rheotek Custom dynamic viscosity reference materials are calibrated in accordance with customer temperature and viscosity requirements.

PSL Rheotek Custom kinematic viscosity reference materials are calibrated in accordance with customer temperature and viscosity requirements (-40°C to 135°C).

### Bottle Sizes

PSL Rheotek Viscosity Reference Standards are supplied in 500ml sturdy glass bottles, with laminated label listing certified values. Certificate of calibration and Material Safety Data Sheet also included.

### Calibration and Measurement Capability

The PSL Rheotek Calibration Laboratory is accredited to ISO/IEC 17025 by the United Kingdom Accreditation Service (UKAS).

Viscosity reference standards are calibrated to ASTM D2162 using reference viscometers covering the temperature range -40°C to 135°C

- Calibration performed by accredited laboratory to ISO 17025
- Direct traceability to national/international standards
- Dynamic viscometers
- Cone and plate viscometers
- Rotational viscometers

Accredited to  
ISO/IEC 17025



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## PSL Rheotek Dynamic Viscosity Standards

The **PSL Rheotek** range of instruments are manufactured in the United Kingdom by Poulten Selfe and Lee Ltd.

Poulten, Selfe & Lee Ltd. (PSL) was established in 1850. For more than 60 years the company has been specialising in viscosity measurement. PSL's high precision glass capillary viscometers are used worldwide for manual and automated viscosity measurement.

Worldwide, instruments are sold and serviced by a network of **PSL Rheotek** offices and authorised sales agents.

**Worldwide Sales:**  
Tel.: +44 1621 787100

**USA Sales:**  
Tel.: 574 271 9417

**Poulten, Selfe & Lee Ltd**  
Russell House  
Burnham Business Park  
Burnham-on-Crouch  
Essex CM0 8TE  
United Kingdom

[sales@psl-rheotek.com](mailto:sales@psl-rheotek.com)

PSL Rheotek Dynamic Viscosity Certified Reference Materials (cP,mPa.s)						
Catalogue No.	Viscosity Standard	20°C	25°C	40°C	50°C	100.00°C
		68.00 °F	77.00 °F	104.00 °F	122.00 °F	212.00 °F
2700-V01	<b>N4</b>	0.31	0.29	0.26		
2700-V02	<b>N8</b>	0.77	0.72	0.56		
2700-V03	<b>N1.0</b>	1	0.93	0.76		
2700-V03A	<b>N2</b>	2.2	2	1.5	1.3	
2700-V04	<b>S3</b>	4.1	3.6	2.4	2.1	0.98
2700-V05	<b>S6</b>	8.8	7.4	4.8	3.7	1.5
2700-V06	<b>N10</b>	17	14	9	6.2	2.1
2700-V07	<b>S20</b>	40	31	16	11	3.2
2700-V08	<b>N35</b>	82	62	27	19	4.7
2700-V09	<b>S60</b>	140	104	47	30	6.3
2700-V10	<b>N100</b>	280	200	84	51	9.1
2700-V10A	<b>N140</b>	350	260	120	77	15
2700-V11	<b>S200</b>	590	410	150	91	14
2700-V11A	<b>N230</b>	770	535	190	120	17
2700-V12	<b>N350</b>	1200	790	270	150	20
2700-V12A	<b>N415</b>	1630	1065	360	200	28
2700-V13	<b>S600</b>	2100	1400	450	240	29
2700-V13A	<b>N730</b>	2970	1980	630	340	40
2700-V14	<b>N1000</b>	4100	2700	800	450	45
2700-V14A	<b>N1300</b>	5775	3800	1120	630	63
2700-V15	<b>S2000</b>	7500	4800	1500	760	68
2700-V16	<b>N4000</b>	16000	10000	2900	1500	112
2700-V17	<b>S8000</b>	31000	20000	5900	2700	190
2700-V18	<b>N15000</b>	58000	37000	11000	5100	320
2700-V19	<b>S30000</b>		74000	21000	9900	580

### Related Products

PSL Rheotek Kinematic oil standards

Digital thermometer for use with dynamic viscometers