

KDS003 Physical Properties of Water

Temperature (°C)	Density, (kg/m ³)	Absolute Viscosity $\mu \times 10^3$ (Pa s)	Kinematic Viscosity $\nu \times 10^6$ (m ² /s)	Vapour Pressure (kPa)
0	1000	1.781	1.785	0.61
5	1000	1.518	1.518	0.87
10	1000	1.307	1.306	1.23
15	999	1.139	1.139	1.70
20	998	1.002	1.003	2.34
25	997	0.890	0.893	3.17
30	996	0.798	0.800	4.24
40	992	0.653	0.658	7.38
50	988	0.547	0.553	12.33
60	983	0.466	0.474	19.92
70	978	0.404	0.413	31.16
80	972	0.354	0.364	47.34
90	965	0.315	0.326	70.10
100	958	0.282	0.294	101.33

Notes:

- Adapted from various sources.