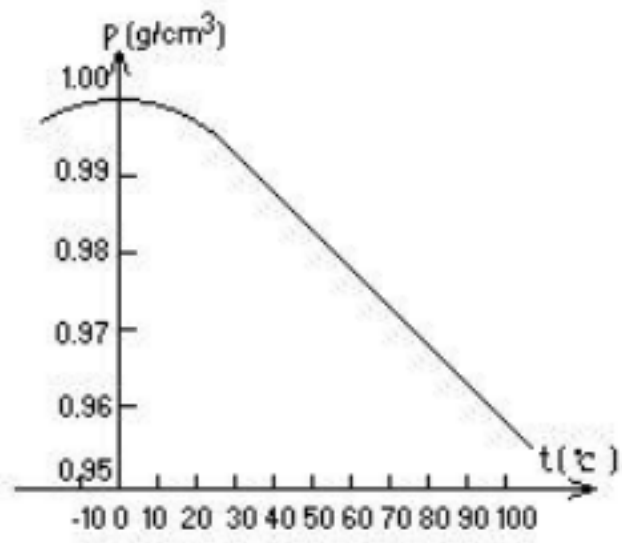


水的密度和温度的关系



t (°C)	ρ (g/cm³)	t (°C)	ρ (g/cm³)
-13	0.99729	50	0.9881
-10	0.99794	60	0.9832
-7	0.99872	70	0.9778
-4	0.99938	80	0.9718
0	0.99987	90	0.9653
4	1.00000	100	0.9584
7	0.99993	150	0.9172
10	0.99973	200	0.8649
20	0.9982	250	0.7988
30	0.9957	300	0.7127
40	0.9922	350	0.5750

水在不同温度下的密度、粘度、介电常数和离子积常数 K_w 值

Densities, Viscosities, Dielectric Constants and Ionic Product Constants of Water at Different Temperatures

温度 t (Temperature) / °C	密度 (Density) / (g/ml)	黏度 (Viscosity) / (10 ⁻³ Pa · s)	介电常数 (Dielectric constant) / (F/m)	离子积常数 (Ionic product constant) K_w
0	0.99984	-	87.90	0.11×10^{-14}
2	0.99994	-	-	-
4	0.99997	-	-	-
5	0.999965	1.5188	85.90	0.17×10^{-14}

6	0.99994	-	-	-
8	0.99985	-	-	-
10	0.999700	1.3097	83.95	0.30×10^{-14}
12	0.99950	-	-	-
14	0.99924	-	-	-
15	0.999099	1.1447	82.04	0.46×10^{-14}
16	0.99894	-	-	0.50×10^{-14}
17	-	-	-	0.55×10^{-14}
18	0.99860	-	-	0.60×10^{-14}
19	-	-	-	0.65×10^{-14}
20	0.998203	1.0087	80.18	0.69×10^{-14}
21	-	-	-	0.76×10^{-14}
22	0.99777	-	-	0.81×10^{-14}
23	-	-	-	0.87×10^{-14}
24	0.99730	-	-	0.93×10^{-14}
25	0.997044	0.8949	78.36	1.00×10^{-14}
26	0.99678	-	-	1.10×10^{-14}
27	-	-	-	1.17×10^{-14}
28	0.99623	-	-	1.29×10^{-14}
29	-	-	-	1.38×10^{-14}
30	0.995646	0.8004	76.58	1.48×10^{-14}
31	-	-	-	1.58×10^{-14}
32	0.99503	-	-	1.70×10^{-14}

33	-	-	-	1.82×10^{-14}
34	0.99437	-	-	1.95×10^{-14}
35	0.99403	0.7208	74.85	2.09×10^{-14}
36	0.99369	-	-	2.24×10^{-14}
37	-	-	-	2.40×10^{-14}
38	0.99297	-	-	2.57×10^{-14}
39	-	-	-	2.75×10^{-14}
40	0.99222	-	73.15	2.95×10^{-14}
42	0.99144	-	-	-
44	0.99063	-	-	-
45	-	-	71.50	-
46	0.98979	-	-	-
48	0.98893	-	-	-
50	0.98804	-	69.88	5.5×10^{-14}
52	0.98712	-	-	-
54	0.98618	-	-	-
55	-	-	68.30	-
56	0.98521	-	-	-
58	0.98422	-	-	-
60	0.98320	-	66.76	9.55×10^{-14}
62	0.98216	-	-	-
64	0.98109	-	-	-
65	-	-	65.25	-

66	0.98001	-	-	-
68	0.97890	-	-	-
70	0.97777	-	63.78	15.8×10^{-14}
72	0.97661	-	-	-
74	0.97544	-	-	-
75	-	-	62.34	-
76	0.97424	-	-	-
78	0.97303	-	-	-
80	0.97179	-	60.93	25.1×10^{-14}
82	0.97053	-	-	-
84	0.96926	-	-	-
85	-	-	59.55	-
86	0.96796	-	-	-
88	0.96665	-	-	-
90	0.96531	-	58.20	38.0×10^{-14}
92	0.96396	-	-	-
94	0.96259	-	-	-
95	-	-	56.88	-
96	0.96120	-	-	-
98	0.95979	-	-	-
100	0.95836	-	55.58	55.0×10^{-14}