

TABLE DES CARACTERISTIQUES THERMODYNAMIQUES DE L'EAU

T	Cp		r	n	h	l
température	capacité calorifique massique		masse volumique	viscosité cinématique	viscosité dynamique	conductivité thermique
°C	kcal/(kg.K)	J/kg.K	kg/m ³	10 ⁻⁶ m ² /s (=10 ⁻² St)	Pa.s (=10 P)	W/(m.K)
0	1.00762	4211.85	999.87	1.79	0.001790	0.555
1	1.00676	4208.26	999.93	1.73	0.001730	
2	1.00594	4204.83	999.97	1.67	0.001670	
3	1.00523	4201.86	999.99	1.62	0.001620	
4	1.00453	4198.94	1000	1.57	0.001570	
5	1.00391	4196.34	999.99	1.52	0.001520	
6	1.00337	4194.09	999.97	1.47	0.001470	
7	1.00284	4191.87	999.93	1.43	0.001430	
8	1.00236	4189.86	999.88	1.39	0.001390	
9	1.00193	4188.07	999.81	1.33	0.001330	
10	1.00153	4186.40	999.73	1.31	0.001310	
11	1.00117	4184.89	999.63	1.27	0.001270	
12	1.00084	4183.51	999.52	1.24	0.001239	
13	1.00053	4182.22	999.4	1.2	0.001199	
14	1.00026	4181.09	999.27	1.17	0.001169	
15	1	4180.00	999.13	1.14	0.001139	
16	0.99978	4179.08	998.97	1.11	0.001109	
17	0.99957	4178.20	998.8	1.08	0.001079	
18	0.99938	4177.41	998.62	1.06	0.001059	
19	0.99921	4176.70	998.43	1.03	0.001028	
20	0.99907	4176.11	998.23	1.01	0.001008	0.598
21	0.99892	4175.49	998.02	0.983	0.000981	
22	0.9988	4174.98	997.8	0.96	0.000958	
23	0.99871	4174.61	997.56	0.938	0.000936	
24	0.99861	4174.19	997.32	0.917	0.000915	
25	0.99852	4173.81	997.07	0.896	0.000893	
26	0.99845	4173.52	996.81	0.876	0.000873	
27	0.99837	4173.19	996.54	0.857	0.000854	
28	0.99833	4173.02	996.26	0.839	0.000836	
29	0.99828	4172.81	995.97	0.821	0.000818	
30	0.99825	4172.69	995.67	0.804	0.000801	
31	0.99823	4172.60	995.37	0.788	0.000784	
32	0.99821	4172.52	995.05	0.772	0.000768	
33	0.99821	4172.52	994.73	0.756	0.000752	
34	0.99818	4172.39	994.4	0.741	0.000737	
35	0.99818	4172.39	994.06	0.727	0.000723	
36	0.99821	4172.52	993.71	0.713	0.000709	
37	0.99821	4172.52	993.36	0.699	0.000694	
38	0.99823	4172.60	992.99	0.686	0.000681	
39	0.99825	4172.69	992.62	0.674	0.000669	
40	0.99828	4172.81	992.24	0.661	0.000656	0.627
41	0.9983	4172.89	991.86			
42	0.99835	4173.10	991.47			
43	0.9984	4173.31	991.07			

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44	0.99842	4173.40	990.66			
45	0.99849	4173.69	990.24	0.608	0.000602	
46	0.99854	4173.90	989.82			
47	0.99859	4174.11	989.4			
48	0.99866	4174.40	988.96			
49	0.99871	4174.61	988.52			
50	0.99878	4174.90	988.07	0.556	0.000549	
51	0.99885	4175.19	987.62			
52	0.99895	4175.61	987.15			
53	0.99902	4175.90	986.69			
54	0.99909	4176.20	986.21			
55	0.99919	4176.61	985.73	0.516	0.000509	
56	0.99928	4176.99	985.24			
57	0.99938	4177.41	984.78			
58	0.99947	4177.78	984.25			
59	0.99957	4178.20	983.75			
60	0.99966	4178.58	983.24	0.477	0.000469	0.651
61	0.99978	4179.08	982.72			
62	0.99988	4179.50	982.2			
63	1	4180.00	981.67			
64	1.00011	4180.46	981.13			
65	1.00024	4181.00	980.59	0.446	0.000437	
66	1.00038	4181.59	980.05			
67	1.0005	4182.09	979.5			
68	1.00064	4182.68	978.94			
69	1.00076	4183.18	978.38			
70	1.00091	4183.80	977.81	0.415	0.000406	
71	1.00105	4184.39	977.23			
72	1.00119	4184.97	976.66			
73	1.00136	4185.68	976.07			
74	1.0015	4186.27	975.48			
75	1.00167	4186.98	974.89	0.391	0.000381	
76	1.00184	4187.69	974.29			
77	1.002	4188.36	973.68			
78	1.00217	4189.07	973.07			
79	1.00236	4189.86	972.45			
80	1.00253	4190.58	971.83	0.367	0.000357	0.669