

LAMPIRAN 1: *Thermal properties of ice.*

Tabel lampiran 1: *Thermal properties of ice*

<u>Temperature</u> - t -	<u>Density</u> - ρ -	<u>Thermal Conductivity</u> - k -	<u>Specific Heat</u> - c_p -
(°C)	(kg/m ³)	(W/mK)	(kJ/kgK)
0.01 (Water)	999.8		
0	916.2	2.22	2.050
-5	917.5	2.25	2.027
-10	918.9	2.30	2.000
-15	919.4	2.34	1.972
-20	919.4	2.39	1.943
-25	919.6	2.45	1.913
-30	920.0	2.50	1.882
-35	920.4	2.57	1.851
-40	920.8	2.63	1.818
-50	921.6	2.76	1.751
-60	922.4	2.90	1.681
-70	923.3	3.05	1.609
-80	924.1	3.19	1.536
-90	924.9	3.34	1.463
-100	925.7	3.48	1.389

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LAMPIRAN 2: Thermal properties of water.

Tabel lampiran 2: *Thermal properties of water*

<u>Temperature</u> - t -	<u>Absolute pressure</u> - p -	<u>Density</u> - ρ -	Specific volume - v -	<u>Specific Heat</u> - c _p -	Specific entropy - e -
(°C)	(kN/m ²)	(kg/m ³)	10 ⁻³ (m ³ /kg)	(kJ/kgK)	(kJ/kgK)
0 (Ice)		916.8			
0.01	0.6	999.8	100	4.210	0
4 (maximum density)	0.9	1000.0			
5	0.9	1000.0	100	4.204	0.075
10	1.2	999.8	100	4.193	0.150
15	1.7	999.2	100	4.186	0.223
20	2.3	998.3	100	4.183	0.296
25	3.2	997.1	100	4.181	0.367
30	4.3	995.7	100	4.179	0.438
35	5.6	994.1	101	4.178	0.505
40	7.7	992.3	101	4.179	0.581
45	9.6	990.2	101	4.181	0.637
50	12.5	988	101	4.182	0.707
55	15.7	986	101	4.183	0.767
60	20.0	983	102	4.185	0.832
65	25.0	980	102	4.188	0.893
70	31.3	978	102	4.191	0.966
75	38.6	975	103	4.194	1.016
80	47.5	972	103	4.198	1.076
85	57.8	968	103	4.203	1.134
90	70.0	965	104	4.208	1.192

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