

PRESSURE = 0.800 [MPa]

TEMP [K]	$\left(\frac{T}{V} \frac{\partial V}{\partial T}\right)_P$	$\left(\frac{V}{C_V} \frac{\partial P}{\partial T}\right)_V$	$\left(\frac{P}{\rho} \frac{\partial \rho}{\partial P}\right)_T$	DIEL - 1	CONDUCT [W/m <sup>2</sup> K]	VISC [μPa*s]	THDIFF [m <sup>2</sup> /s]	PRANDTL
0.8000	-0.1523E-03	-0.7022	0.5898E-01	0.6174E-01				
1.000	-0.1475E-02	-1.052	0.5933E-01	0.6175E-01				
1.200	-0.4305E-02	-0.8218	0.6013E-01	0.6178E-01				
1.400	-0.9358E-02	-0.6328	0.6121E-01	0.6185E-01				
1.600	-0.1777E-01	-0.5122	0.6239E-01	0.6196E-01				
1.800	-0.3266E-01	-0.4494	0.6373E-01	0.6214E-01				
1.992	-0.6726E-01	-0.4490	0.6652E-01	0.6244E-01				
2.082	-0.1300	-0.4958	0.7076E-01	0.6269E-01				
2.091	-0.1789	-0.5297	0.7319E-01	0.6273E-01				
2.093	-0.8136E-01	-0.4129	0.6877E-01	0.6274E-01				
2.102	-0.2761E-01	-0.2295	0.6640E-01	0.6275E-01				
2.192	0.2193E-01	0.3417	0.6481E-01	0.6273E-01				
2.200	0.2362E-01	0.3750	0.6479E-01	0.6273E-01				
2.400	0.4992E-01	0.9246	0.6529E-01	0.6252E-01				
2.700	0.7353E-01	1.217	0.6760E-01	0.6211E-01				
3.000	0.1023	1.395	0.7208E-01	0.6158E-01				
3.300	0.1353	1.401	0.7776E-01	0.6087E-01				
3.600	0.1726	1.396	0.8483E-01	0.6005E-01	0.2093E-01	4.802	0.5205E-07	0.6060
3.900	0.2154	1.401	0.9354E-01	0.5911E-01	0.2177E-01	4.715	0.4958E-07	0.6345
4.200	0.2650	1.410	0.1043	0.5806E-01	0.2247E-01	4.614	0.4765E-07	0.6576
4.500	0.3233	1.417	0.1178	0.5687E-01	0.2302E-01	4.503	0.4585E-07	0.6805
4.800	0.3929	1.417	0.1349	0.5556E-01	0.2344E-01	4.383	0.4397E-07	0.7067
5.000	0.4472	1.413	0.1490	0.5460E-01	0.2365E-01	4.298	0.4263E-07	0.7273
5.100	0.4773	1.409	0.1570	0.5409E-01	0.2373E-01	4.255	0.4192E-07	0.7388
5.300	0.5445	1.398	0.1756	0.5303E-01	0.2385E-01	4.165	0.4044E-07	0.7646
5.500	0.6228	1.382	0.1982	0.5188E-01	0.2392E-01	4.073	0.3887E-07	0.7948
6.000	0.8867	1.322	0.2816	0.4858E-01	0.2388E-01	3.828	0.3461E-07	0.8949
6.500	1.294	1.237	0.4304	0.4453E-01	0.2345E-01	3.565	0.3013E-07	1.043
7.000	1.838	1.134	0.6739	0.3961E-01	0.2262E-01	3.299	0.2668E-07	1.224
8.000	2.306	0.9650	1.094	0.2953E-01	0.2123E-01	2.926	0.3013E-07	1.285
9.000	2.040	0.8841	1.174	0.2277E-01	0.2101E-01	2.818	0.4288E-07	1.126
10.00	1.759	0.8398	1.150	0.1862E-01	0.2134E-01	2.834	0.5908E-07	1.004
12.00	1.428	0.7904	1.082	0.1395E-01	0.2255E-01	2.990	0.9513E-07	0.8768
15.00	1.218	0.7528	1.028	0.1040E-01	0.2468E-01	3.302	0.1534E-06	0.8045
20.00	1.090	0.7229	0.9945	0.7474E-02	0.2830E-01	3.835	0.2612E-06	0.7629
25.00	1.040	0.7078	0.9836	0.5894E-02	0.3180E-01	4.335	0.3831E-06	0.7451
30.00	1.017	0.6987	0.9798	0.4886E-02	0.3518E-01	4.801	0.5194E-06	0.7341
40.00	0.9973	0.6885	0.9790	0.3657E-02	0.4160E-01	5.648	0.8335E-06	0.7187
50.00	0.9908	0.6830	0.9806	0.2929E-02	0.4766E-01	6.414	0.1201E-05	0.7071
60.00	0.9886	0.6796	0.9826	0.2445E-02	0.5342E-01	7.123	0.1619E-05	0.6976
80.00	0.9882	0.6756	0.9860	0.1840E-02	0.6426E-01	8.425	0.2598E-05	0.6834
100.0	0.9892	0.6735	0.9884	0.1475E-02	0.7439E-01	9.630	0.3755E-05	0.6736
120.0	0.9904	0.6721	0.9903	0.1232E-02	0.8396E-01	10.77	0.5082E-05	0.6670
140.0	0.9914	0.6712	0.9917	0.1057E-02	0.9310E-01	11.87	0.6568E-05	0.6627
160.0	0.9923	0.6705	0.9927	0.9260E-03	0.1019	12.95	0.8207E-05	0.6601
180.0	0.9931	0.6700	0.9936	0.8238E-03	0.1103	13.99	0.9993E-05	0.6587
200.0	0.9938	0.6696	0.9943	0.7419E-03	0.1185	15.05	0.1192E-04	0.6594
220.0	0.9943	0.6693	0.9948	0.6748E-03	0.1265	16.08	0.1399E-04	0.6600
240.0	0.9948	0.6690	0.9953	0.6189E-03	0.1343	17.08	0.1619E-04	0.6605
260.0	0.9952	0.6688	0.9957	0.5715E-03	0.1418	18.05	0.1852E-04	0.6609
280.0	0.9956	0.6686	0.9961	0.5309E-03	0.1492	19.01	0.2098E-04	0.6612
300.0	0.9959	0.6685	0.9964	0.4956E-03	0.1565	19.94	0.2356E-04	0.6615
350.0	0.9965	0.6682	0.9969	0.4250E-03	0.1740	22.19	0.3056E-04	0.6620
400.0	0.9970	0.6680	0.9974	0.3721E-03	0.1909	24.35	0.3828E-04	0.6624
500.0	0.9976	0.6677	0.9980	0.2978E-03	0.2228	28.44	0.5582E-04	0.6628
600.0	0.9981	0.6675	0.9984	0.2483E-03	0.2529	32.29	0.7599E-04	0.6631
700.0	0.9984	0.6673	0.9986	0.2129E-03	0.2815	35.95	0.9867E-04	0.6632
800.0	0.9986	0.6672	0.9988	0.1863E-03	0.3090	39.46	0.1237E-03	0.6632
900.0	0.9988	0.6672	0.9990	0.1656E-03	0.3354	42.85	0.1511E-03	0.6633
1000.	0.9989	0.6671	0.9991	0.1491E-03	0.3610	46.12	0.1807E-03	0.6633
1100.	0.9991	0.6671	0.9992	0.1355E-03	0.3859	49.29	0.2124E-03	0.6633
1200.	0.9991	0.6670	0.9993	0.1242E-03	0.4101	52.38	0.2462E-03	0.6633
1300.	0.9992	0.6670	0.9993	0.1147E-03	0.4337	55.40	0.2821E-03	0.6633
1400.	0.9993	0.6670	0.9994	0.1065E-03	0.4568	58.34	0.3200E-03	0.6632
1500.	0.9993	0.6670	0.9994	0.9941E-04	0.4794	61.23	0.3598E-03	0.6632

PRESSURE = 1.000 [MPa]

	TEMP [K]	DENSITY [kg/m <sup>3</sup> ]	PV/RT [-]	ENERGY [J/g]	ENTHALPY [J/g]	ENTROPY [J/g·K]	C <sub>v</sub> [J/g·K]	C <sub>p</sub> [J/g·K]	VSOUND [m/s]
	0.8000	158.7	3.793	0.2610	6.563	0.3977E-02	0.2949E-01	0.2950E-01	303.6
	1.000	158.7	3.033	0.2770	6.578	0.1972E-01	0.1329	0.1333	303.2
	1.200	158.8	2.526	0.3303	6.627	0.6385E-01	0.3908	0.3931	302.0
	1.400	159.0	2.163	0.4638	6.753	0.1598	0.9112	0.9190	300.3
	1.600	159.3	1.888	0.7446	7.021	0.3375	1.820	1.842	298.3
	1.800	159.8	1.673	1.274	7.530	0.6355	3.320	3.384	295.3
1	1.968	160.6	1.524	2.045	8.273	1.028	5.544	5.759	290.4
2	2.058	161.3	1.451	2.710	8.911	1.345	8.658	9.372	285.5
3	2.067	161.4	1.443	2.806	9.003	1.390	10.67	11.95	284.7
3	2.069	161.4	1.442	2.833	9.029	1.402	6.542	6.818	285.5
2	2.078	161.4	1.435	2.879	9.074	1.424	4.132	4.170	286.7
1	2.168	161.4	1.376	3.125	9.321	1.540	2.168	2.181	290.7
	2.200	161.4	1.356	3.191	9.388	1.571	2.003	2.026	291.7
	2.400	160.8	1.247	3.536	9.753	1.730	1.652	1.730	296.2
	2.700	159.9	1.115	4.013	10.27	1.934	1.622	1.757	298.5
	3.000	158.7	1.011	4.496	10.80	2.121	1.683	1.900	298.0
	3.300	157.1	0.9285	5.051	11.42	2.317	1.901	2.225	294.9
	3.600	155.3	0.8612	5.690	12.13	2.524	2.082	2.530	291.0
	3.900	153.2	0.8059	6.402	12.93	2.737	2.207	2.798	286.9
	4.200	150.8	0.7600	7.177	13.81	2.954	2.290	3.045	282.7
	4.500	148.2	0.7217	8.010	14.76	3.172	2.348	3.287	278.2
	4.800	145.4	0.6900	8.901	15.78	3.392	2.391	3.539	273.3
	5.000	143.3	0.6719	9.527	16.51	3.540	2.416	3.718	269.7
	5.100	142.2	0.6638	9.851	16.88	3.615	2.428	3.812	267.8
	5.300	140.0	0.6490	10.52	17.66	3.765	2.451	4.011	263.9
	5.500	137.6	0.6363	11.22	18.49	3.917	2.473	4.225	259.6
	6.000	130.9	0.6130	13.11	20.75	4.311	2.531	4.849	247.8
	6.500	123.1	0.6015	15.24	23.36	4.729	2.592	5.633	234.4
	7.000	114.1	0.6027	17.65	26.41	5.180	2.659	6.584	220.4
	8.000	93.31	0.6449	23.21	33.93	6.181	2.806	8.248	198.8
	9.000	74.62	0.7168	28.93	42.33	7.170	2.932	8.341	193.9
	10.00	61.35	0.7847	34.12	50.42	8.024	3.013	7.819	198.3
	12.00	45.58	0.8802	43.12	65.06	9.361	3.094	6.898	214.3
	15.00	33.64	0.9540	54.84	84.56	10.81	3.138	6.196	239.6
	20.00	24.02	1.002	72.55	114.2	12.52	3.156	5.728	276.4
	25.00	18.90	1.019	89.36	142.3	13.78	3.156	5.528	307.8
	30.00	15.66	1.025	105.8	169.6	14.77	3.152	5.422	335.8
	40.00	11.72	1.027	137.9	223.2	16.32	3.143	5.317	384.9
	50.00	9.397	1.025	169.7	276.1	17.50	3.137	5.268	427.9
	60.00	7.850	1.022	201.3	328.7	18.45	3.133	5.242	466.8
	80.00	5.912	1.018	264.1	433.2	19.95	3.128	5.217	535.8
	100.0	4.745	1.015	326.7	537.4	21.12	3.125	5.206	596.9
	120.0	3.963	1.012	389.2	641.5	22.07	3.123	5.200	652.2
	140.0	3.403	1.010	451.6	745.4	22.87	3.121	5.197	703.2
	160.0	2.982	1.009	514.0	849.4	23.57	3.120	5.195	750.7
	180.0	2.653	1.008	576.4	953.3	24.18	3.120	5.194	795.4
	200.0	2.390	1.007	638.7	1057.	24.72	3.119	5.194	837.7
	220.0	2.174	1.006	701.1	1161.	25.22	3.119	5.193	878.0
	240.0	1.994	1.006	763.4	1265.	25.67	3.118	5.193	916.5
	260.0	1.842	1.005	825.7	1369.	26.09	3.118	5.193	953.5
	280.0	1.711	1.005	888.1	1473.	26.47	3.118	5.192	989.1
	300.0	1.597	1.005	950.4	1576.	26.83	3.118	5.192	1023.
	350.0	1.370	1.004	1106.	1836.	27.63	3.117	5.192	1105.
	400.0	1.200	1.003	1262.	2096.	28.32	3.117	5.192	1180.
	500.0	0.9604	1.003	1574.	2615.	29.48	3.117	5.192	1319.
	600.0	0.8007	1.002	1885.	3134.	30.43	3.116	5.192	1444.
	700.0	0.6866	1.002	2197.	3653.	31.23	3.116	5.192	1559.
	800.0	0.6009	1.001	2508.	4173.	31.92	3.116	5.192	1666.
	900.0	0.5342	1.001	2820.	4692.	32.53	3.116	5.193	1767.
	1000.	0.4809	1.001	3132.	5211.	33.08	3.116	5.193	1863.
	1100.	0.4372	1.001	3443.	5730.	33.58	3.116	5.193	1953.
	1200.	0.4008	1.001	3755.	6250.	34.03	3.116	5.193	2040.
	1300.	0.3700	1.001	4066.	6769.	34.44	3.116	5.193	2123.
	1400.	0.3436	1.001	4378.	7288.	34.83	3.116	5.193	2203.
	1500.	0.3207	1.001	4689.	7807.	35.19	3.116	5.193	2280.

PRESSURE = 1.000 [MPa]

TEMP [K]	$\left(\frac{T}{V} \frac{\partial V}{\partial T}\right)_P$	$\left(\frac{V}{C_V} \frac{\partial P}{\partial T}\right)_V$	$\left(\frac{P}{\rho} \frac{\partial \rho}{\partial P}\right)_T$	DIEL - 1	CONDUCT [W/m·K]	VISC [μPa·s]	THDIFF [m <sup>2</sup> /s]	PRANDTL
0.8000	-0.2685E-03	-1.049	0.6838E-01	0.6264E-01				
1.000	-0.2119E-02	-1.461	0.6874E-01	0.6266E-01				
1.200	-0.5538E-02	-1.071	0.6843E-01	0.6270E-01				
1.400	-0.1105E-01	-0.7747	0.7032E-01	0.6278E-01				
1.600	-0.1992E-01	-0.6013	0.7138E-01	0.6291E-01				
1.800	-0.3682E-01	-0.5272	0.7312E-01	0.6311E-01				
1.968	-0.7222E-01	-0.5374	0.7672E-01	0.6340E-01				
2.058	-0.1397	-0.5905	0.8233E-01	0.6368E-01				
2.067	-0.1907	-0.6259	0.8560E-01	0.6373E-01				
2.069	-0.8548E-01	-0.4938	0.7925E-01	0.6374E-01				
2.078	-0.3104E-01	-0.2945	0.7605E-01	0.6375E-01				
2.168	0.1842E-01	0.3292	0.7377E-01	0.6374E-01				
2.200	0.2450E-01	0.4677	0.7366E-01	0.6372E-01				
2.400	0.4717E-01	0.9970	0.7418E-01	0.6352E-01				
2.700	0.6671E-01	1.253	0.7607E-01	0.6314E-01				
3.000	0.9114E-01	1.419	0.8016E-01	0.6265E-01				
3.300	0.1200	1.421	0.8569E-01	0.6201E-01				
3.600	0.1522	1.415	0.9243E-01	0.6127E-01	0.2151E-01	5.127	0.5475E-07	0.6032
3.900	0.1885	1.422	0.1006	0.6043E-01	0.2242E-01	5.028	0.5231E-07	0.6275
4.200	0.2286	1.435	0.1103	0.5949E-01	0.2320E-01	4.921	0.5052E-07	0.6457
4.500	0.2766	1.447	0.1221	0.5844E-01	0.2385E-01	4.806	0.4895E-07	0.6625
4.800	0.3305	1.453	0.1364	0.5729E-01	0.2436E-01	4.686	0.4735E-07	0.6808
5.000	0.3712	1.452	0.1477	0.5647E-01	0.2463E-01	4.604	0.4623E-07	0.6950
5.100	0.3931	1.451	0.1539	0.5603E-01	0.2475E-01	4.562	0.4564E-07	0.7028
5.300	0.4408	1.444	0.1679	0.5513E-01	0.2494E-01	4.477	0.4443E-07	0.7200
5.500	0.4941	1.434	0.1842	0.5417E-01	0.2507E-01	4.390	0.4315E-07	0.7398
6.000	0.6589	1.391	0.2384	0.5150E-01	0.2521E-01	4.169	0.3973E-07	0.8018
6.500	0.8840	1.327	0.3212	0.4840E-01	0.2507E-01	3.942	0.3614E-07	0.8857
7.000	1.183	1.247	0.4465	0.4481E-01	0.2464E-01	3.714	0.3280E-07	0.9924
8.000	1.799	1.078	0.7968	0.3655E-01	0.2346E-01	3.316	0.3048E-07	1.166
9.000	1.919	0.9612	1.014	0.2916E-01	0.2286E-01	3.103	0.3673E-07	1.132
10.00	1.781	0.8955	1.076	0.2394E-01	0.2289E-01	3.046	0.4771E-07	1.040
12.00	1.489	0.8260	1.065	0.1775E-01	0.2375E-01	3.127	0.7553E-07	0.9084
15.00	1.256	0.7758	1.022	0.1309E-01	0.2563E-01	3.395	0.1230E-06	0.8206
20.00	1.106	0.7372	0.9893	0.9332E-02	0.2904E-01	3.899	0.2111E-06	0.7692
25.00	1.047	0.7181	0.9780	0.7339E-02	0.3242E-01	4.387	0.3102E-06	0.7482
30.00	1.019	0.7067	0.9742	0.6078E-02	0.3571E-01	4.846	0.4205E-06	0.7359
40.00	0.9961	0.6940	0.9737	0.4548E-02	0.4201E-01	5.686	0.6740E-06	0.7195
50.00	0.9883	0.6871	0.9759	0.3644E-02	0.4800E-01	6.448	0.9697E-06	0.7076
60.00	0.9857	0.6828	0.9783	0.3044E-02	0.5372E-01	7.154	0.1306E-05	0.6980
80.00	0.9853	0.6779	0.9825	0.2292E-02	0.6450E-01	8.453	0.2091E-05	0.6836
100.0	0.9865	0.6752	0.9856	0.1839E-02	0.7460E-01	9.655	0.3020E-05	0.6737
120.0	0.9880	0.6734	0.9879	0.1536E-02	0.8416E-01	10.79	0.4083E-05	0.6670
140.0	0.9893	0.6723	0.9896	0.1319E-02	0.9329E-01	11.89	0.5275E-05	0.6626
150.0	0.9904	0.6714	0.9910	0.1156E-02	0.1021	12.96	0.6588E-05	0.6600
180.0	0.9914	0.6708	0.9920	0.1028E-02	0.1105	14.01	0.8019E-05	0.6585
200.0	0.9922	0.6703	0.9929	0.9261E-03	0.1187	15.07	0.9564E-05	0.6592
220.0	0.9929	0.6699	0.9936	0.8425E-03	0.1267	16.09	0.1122E-04	0.6598
240.0	0.9935	0.6696	0.9942	0.7727E-03	0.1344	17.09	0.1298E-04	0.6602
260.0	0.9940	0.6693	0.9947	0.7136E-03	0.1420	18.06	0.1485E-04	0.6606
280.0	0.9944	0.6691	0.9951	0.6629E-03	0.1494	19.01	0.1682E-04	0.6609
300.0	0.9948	0.6689	0.9954	0.6190E-03	0.1566	19.94	0.1889E-04	0.6611
350.0	0.9956	0.6685	0.9962	0.5309E-03	0.1742	22.19	0.2448E-04	0.6615
400.0	0.9962	0.6683	0.9967	0.4648E-03	0.1910	24.35	0.3067E-04	0.6619
500.0	0.9971	0.6679	0.9975	0.3721E-03	0.2229	28.43	0.4470E-04	0.6622
600.0	0.9976	0.6677	0.9979	0.3102E-03	0.2530	32.28	0.6085E-04	0.6624
700.0	0.9980	0.6675	0.9983	0.2660E-03	0.2816	35.93	0.7900E-04	0.6625
800.0	0.9983	0.6674	0.9985	0.2328E-03	0.3091	39.44	0.9906E-04	0.6625
900.0	0.9985	0.6673	0.9987	0.2070E-03	0.3355	42.82	0.1210E-03	0.6626
1000.	0.9987	0.6672	0.9989	0.1863E-03	0.3611	46.08	0.1446E-03	0.6626
1100.	0.9988	0.6672	0.9990	0.1694E-03	0.3860	49.25	0.1700E-03	0.6626
1200.	0.9989	0.6671	0.9991	0.1553E-03	0.4102	52.34	0.1971E-03	0.6626
1300.	0.9990	0.6671	0.9992	0.1434E-03	0.4338	55.35	0.2258E-03	0.6625
1400.	0.9991	0.6671	0.9992	0.1331E-03	0.4569	58.29	0.2561E-03	0.6625
1500.	0.9992	0.6670	0.9993	0.1243E-03	0.4795	61.17	0.2879E-03	0.6625

PRESSURE = 1.200 [MPa]

	TEMP [K]	DENSITY [kg/m <sup>3</sup> ]	PV/RT [-]	ENERGY [J/g]	ENTHALPY [J/g]	ENTROPY [J/g·K]	C <sub>V</sub> [J/g·K]	C <sub>P</sub> [J/g·K]	V SOUND [m/s]
	0.8000	160.8	4.491	0.3525	7.816	0.4497E-02	0.3748E-01	0.3750E-01	311.5
	1.000	160.8	3.592	0.3713	7.833	0.2267E-01	0.1469	0.1475	311.4
	1.200	161.0	2.991	0.4298	7.885	0.7004E-01	0.4120	0.4151	311.0
	1.400	161.2	2.560	0.5712	8.017	0.1701	0.9426	0.9525	310.3
	1.600	161.5	2.235	0.8645	8.294	0.3537	1.874	1.902	308.8
	1.800	162.1	1.980	1.419	8.821	0.6626	3.440	3.529	305.3
1	1.942	162.8	1.827	2.087	9.458	1.002	5.375	5.638	300.2
2	2.032	163.6	1.738	2.748	10.08	1.317	8.359	9.206	295.1
3	2.041	163.7	1.729	2.843	10.17	1.361	10.25	11.73	294.2
3	2.043	163.7	1.727	2.867	10.20	1.372	6.222	6.543	295.1
2	2.052	163.7	1.719	2.912	10.24	1.393	3.938	3.986	296.4
1	2.142	163.7	1.647	3.148	10.48	1.506	2.069	2.079	300.8
	2.200	163.7	1.605	3.256	10.59	1.557	1.827	1.853	302.7
	2.400	163.1	1.475	3.576	10.93	1.707	1.577	1.652	307.1
	2.700	162.2	1.319	4.033	11.43	1.904	1.567	1.690	309.7
	3.000	161.1	1.195	4.493	11.94	2.085	1.632	1.826	309.7
	3.300	159.7	1.096	5.020	12.54	2.273	1.855	2.143	306.8
	3.600	158.0	1.016	5.628	13.22	2.473	2.039	2.438	303.4
	3.900	156.1	0.9490	6.306	13.99	2.678	2.167	2.692	299.8
	4.200	154.0	0.8934	7.042	14.84	2.886	2.253	2.921	296.2
	4.500	151.6	0.8468	7.830	15.74	3.095	2.312	3.140	292.4
	4.800	149.0	0.8075	8.669	16.72	3.305	2.357	3.363	288.3
	5.000	147.2	0.7849	9.256	17.41	3.445	2.383	3.518	285.3
	5.100	146.2	0.7745	9.558	17.76	3.516	2.396	3.598	283.8
	5.300	144.3	0.7556	10.18	18.50	3.657	2.419	3.764	280.5
	5.500	142.2	0.7389	10.83	19.27	3.800	2.442	3.940	277.1
	6.000	136.4	0.7057	12.56	21.36	4.163	2.500	4.431	267.3
	6.500	129.9	0.6839	14.48	23.72	4.540	2.560	5.008	256.3
	7.000	122.7	0.6729	16.60	26.38	4.935	2.622	5.679	244.5
	8.000	105.8	0.6825	21.45	32.79	5.789	2.753	7.115	222.4
	9.000	88.36	0.7265	26.79	40.37	6.680	2.877	7.854	210.6
	10.00	73.94	0.7813	31.99	48.22	7.507	2.973	7.766	209.6
	12.00	55.18	0.8725	41.32	63.07	8.863	3.079	7.078	220.7
	15.00	40.50	0.9510	53.47	83.10	10.36	3.138	6.354	243.8
	20.00	28.75	1.005	71.59	113.3	12.10	3.162	5.820	279.7
	25.00	22.58	1.023	88.63	141.8	13.37	3.162	5.588	310.9
	30.00	18.69	1.030	105.2	169.4	14.38	3.158	5.463	338.7
	40.00	14.00	1.032	137.6	223.3	15.93	3.149	5.339	387.5
	50.00	11.22	1.030	169.4	276.4	17.11	3.142	5.282	430.3
	60.00	9.379	1.027	201.1	329.0	18.07	3.136	5.251	469.0
	80.00	7.070	1.021	264.0	433.7	19.58	3.130	5.221	537.8
	100.0	5.677	1.018	326.6	538.0	20.74	3.126	5.208	598.6
	120.0	4.744	1.015	389.1	642.1	21.69	3.124	5.202	653.7
	140.0	4.075	1.013	451.6	746.1	22.49	3.122	5.198	704.6
	160.0	3.571	1.011	514.0	850.0	23.19	3.121	5.196	752.0
	180.0	3.179	1.010	576.4	953.9	23.80	3.120	5.195	796.8
	200.0	2.864	1.009	638.8	1058.	24.35	3.120	5.194	838.8
	220.0	2.606	1.008	701.1	1162.	24.84	3.119	5.193	879.0
	240.0	2.390	1.007	763.5	1266.	25.29	3.119	5.193	917.5
	260.0	2.208	1.006	825.8	1369.	25.71	3.119	5.192	954.4
	280.0	2.051	1.006	888.2	1473.	26.09	3.118	5.192	990.0
	300.0	1.915	1.005	950.5	1577.	26.45	3.118	5.192	1024.
	350.0	1.643	1.005	1106.	1837.	27.25	3.118	5.192	1105.
	400.0	1.439	1.004	1262.	2096.	27.95	3.117	5.192	1181.
	500.0	1.152	1.003	1574.	2615.	29.10	3.117	5.192	1319.
	600.0	0.9605	1.002	1885.	3135.	30.05	3.117	5.192	1445.
	700.0	0.8236	1.002	2197.	3654.	30.85	3.116	5.192	1560.
	800.0	0.7208	1.002	2508.	4173.	31.54	3.116	5.192	1667.
	900.0	0.6409	1.002	2820.	4692.	32.16	3.116	5.192	1768.
	1000.	0.5769	1.001	3132.	5212.	32.70	3.116	5.193	1863.
	1100.	0.5245	1.001	3443.	5731.	33.20	3.116	5.193	1954.
	1200.	0.4809	1.001	3755.	6250.	33.65	3.116	5.193	2040.
	1300.	0.4439	1.001	4066.	6769.	34.07	3.115	5.193	2123.
	1400.	0.4123	1.001	4378.	7289.	34.45	3.115	5.193	2203.
	1500.	0.3848	1.001	4689.	7808.	34.81	3.115	5.193	2281.

PRESSURE = 1.200 [MPa]

TEMP [K]	$\left(\frac{T}{V} \frac{\partial V}{\partial T}\right)_P$	$\left(\frac{V}{C_V} \frac{\partial P}{\partial T}\right)_V$	$\left(\frac{P}{\rho} \frac{\partial \rho}{\partial P}\right)_T$	DIEL - 1	CONDUCT [W/m·K]	VISC [μPa·s]	THDIFF [m <sup>2</sup> /s]	FRANDTL
0.8000	-0.3988E-03	-1.290	0.7695E-01	0.6349E-01				
1.000	-0.2546E-02	-1.674	0.7725E-01	0.6351E-01				
1.200	-0.6246E-02	-1.213	0.7766E-01	0.6356E-01				
1.400	-0.1206E-01	-0.8708	0.7816E-01	0.6365E-01				
1.600	-0.2179E-01	-0.6829	0.7907E-01	0.6379E-01				
1.800	-0.4205E-01	-0.6171	0.8147E-01	0.6402E-01				
1.942	-0.7699E-01	-0.6337	0.8576E-01	0.6430E-01				
2.032	-0.1476	-0.6869	0.9281E-01	0.6461E-01				
2.041	-0.2003	-0.7237	0.9700E-01	0.6466E-01				
2.043	-0.8894E-01	-0.5791	0.8853E-01	0.6467E-01				
2.052	-0.3375E-01	-0.3624	0.8443E-01	0.6468E-01				
2.142	0.1552E-01	0.3151	0.8141E-01	0.6468E-01				
2.200	0.2515E-01	0.5654	0.8117E-01	0.6465E-01				
2.400	0.4477E-01	1.065	0.8174E-01	0.6444E-01				
2.700	0.6104E-01	1.283	0.8315E-01	0.6408E-01				
3.000	0.8226E-01	1.440	0.8687E-01	0.6363E-01				
3.300	0.1079	1.437	0.9221E-01	0.6305E-01				
3.600	0.1364	1.431	0.9864E-01	0.6237E-01	0.2205E-01	5.448	0.5724E-07	0.6024
3.900	0.1682	1.440	0.1062	0.6160E-01	0.2303E-01	5.335	0.5480E-07	0.6237
4.200	0.2037	1.456	0.1152	0.6075E-01	0.2388E-01	5.217	0.5310E-07	0.6382
4.500	0.2433	1.472	0.1257	0.5980E-01	0.2459E-01	5.096	0.5166E-07	0.6507
4.800	0.2878	1.482	0.1382	0.5877E-01	0.2518E-01	4.973	0.5024E-07	0.6641
5.000	0.3207	1.484	0.1478	0.5803E-01	0.2551E-01	4.890	0.4926E-07	0.6744
5.100	0.3381	1.484	0.1530	0.5765E-01	0.2565E-01	4.848	0.4875E-07	0.6800
5.300	0.3754	1.481	0.1645	0.5685E-01	0.2589E-01	4.763	0.4769E-07	0.6924
5.500	0.4161	1.474	0.1774	0.5601E-01	0.2609E-01	4.679	0.4658E-07	0.7066
6.000	0.5359	1.441	0.2181	0.5372E-01	0.2638E-01	4.466	0.4364E-07	0.7502
6.500	0.6862	1.389	0.2749	0.5113E-01	0.2640E-01	4.254	0.4057E-07	0.8067
7.000	0.8804	1.324	0.3544	0.4821E-01	0.2620E-01	4.045	0.3761E-07	0.8768
8.000	1.350	1.173	0.5927	0.4151E-01	0.2536E-01	3.663	0.3369E-07	1.028
9.000	1.661	1.042	0.8363	0.3459E-01	0.2463E-01	3.396	0.3549E-07	1.083
10.00	1.688	0.9549	0.9651	0.2890E-01	0.2441E-01	3.272	0.4250E-07	1.041
12.00	1.505	0.8631	1.026	0.2152E-01	0.2494E-01	3.274	0.6386E-07	0.9292
15.00	1.282	0.7993	1.010	0.1576E-01	0.2659E-01	3.492	0.1033E-06	0.8345
20.00	1.119	0.7516	0.9824	0.1118E-01	0.2979E-01	3.965	0.1780E-06	0.7747
25.00	1.053	0.7284	0.9718	0.8771E-02	0.3304E-01	4.440	0.2619E-06	0.7507
30.00	1.021	0.7147	0.9682	0.7258E-02	0.3625E-01	4.891	0.3550E-06	0.7372
40.00	0.9948	0.6994	0.9684	0.5431E-02	0.4245E-01	5.724	0.5680E-06	0.7200
50.00	0.9859	0.6911	0.9711	0.4353E-02	0.4837E-01	6.482	0.8159E-06	0.7079
60.00	0.9828	0.6860	0.9741	0.3637E-02	0.5404E-01	7.185	0.1097E-05	0.6982
80.00	0.9824	0.6801	0.9791	0.2741E-02	0.6476E-01	8.481	0.1754E-05	0.6838
100.0	0.9839	0.6769	0.9828	0.2201E-02	0.7482E-01	9.680	0.2530E-05	0.6738
120.0	0.9856	0.6748	0.9855	0.1839E-02	0.8436E-01	10.82	0.3418E-05	0.6670
140.0	0.9872	0.6734	0.9876	0.1579E-02	0.9347E-01	11.91	0.4413E-05	0.6626
160.0	0.9886	0.6724	0.9892	0.1384E-02	0.1022	12.98	0.5509E-05	0.6589
180.0	0.9897	0.6716	0.9904	0.1232E-02	0.1107	14.03	0.6703E-05	0.6583
200.0	0.9907	0.6710	0.9915	0.1110E-02	0.1189	15.08	0.7992E-05	0.6590
220.0	0.9915	0.6706	0.9923	0.1010E-02	0.1268	16.11	0.9372E-05	0.6595
240.0	0.9922	0.6702	0.9930	0.9262E-03	0.1346	17.10	0.1084E-04	0.6599
260.0	0.9928	0.6699	0.9936	0.8555E-03	0.1421	18.07	0.1240E-04	0.6602
280.0	0.9933	0.6696	0.9941	0.7948E-03	0.1495	19.02	0.1404E-04	0.6605
300.0	0.9938	0.6694	0.9945	0.7421E-03	0.1568	19.95	0.1577E-04	0.6607
350.0	0.9948	0.6689	0.9954	0.6366E-03	0.1743	22.20	0.2044E-04	0.6611
400.0	0.9955	0.6686	0.9961	0.5574E-03	0.1911	24.35	0.2559E-04	0.6613
500.0	0.9965	0.6682	0.9970	0.4463E-03	0.2231	28.42	0.3730E-04	0.6616
600.0	0.9971	0.6679	0.9975	0.3721E-03	0.2531	32.26	0.5076E-04	0.6617
700.0	0.9976	0.6677	0.9979	0.3191E-03	0.2818	35.91	0.6589E-04	0.6618
800.0	0.9979	0.6675	0.9982	0.2793E-03	0.3092	39.41	0.8261E-04	0.6619
900.0	0.9982	0.6674	0.9985	0.2483E-03	0.3357	42.79	0.1009E-03	0.6619
1000.	0.9984	0.6673	0.9986	0.2235E-03	0.3613	46.05	0.1206E-03	0.6619
1100.	0.9986	0.6673	0.9988	0.2032E-03	0.3861	49.21	0.1418E-03	0.6619
1200.	0.9987	0.6672	0.9989	0.1863E-03	0.4103	52.30	0.1643E-03	0.6618
1300.	0.9988	0.6672	0.9990	0.1720E-03	0.4339	55.30	0.1882E-03	0.6618
1400.	0.9989	0.6671	0.9991	0.1597E-03	0.4570	58.24	0.2135E-03	0.6618
1500.	0.9990	0.6671	0.9991	0.1491E-03	0.4786	61.12	0.2400E-03	0.6618

PRESSURE = 1.400 [MPa]

	TEMP [K]	DENSITY [kg/m <sup>3</sup> ]	PV/RT [-]	ENERGY [J/g]	ENTHALPY [J/g]	ENTROPY [J/g·K]	C <sub>v</sub> [J/g·K]	C <sub>p</sub> [J/g·K]	V SOUND [m/s]
	0.8000	162.8	5.175	0.4530	9.053	0.5218E-02	0.4636E-01	0.4640E-01	318.7
	1.000	162.9	4.139	0.4749	9.072	0.2596E-01	0.1613	0.1621	318.9
	1.200	163.0	3.446	0.5382	9.128	0.7661E-01	0.4337	0.4372	319.2
	1.400	163.2	2.950	0.6871	9.265	0.1810	0.9768	0.9881	319.4
	1.600	163.6	2.575	0.9940	9.552	0.3712	1.937	1.972	318.5
	1.800	164.2	2.280	1.579	10.10	0.6934	3.586	3.711	314.4
1	1.916	164.9	2.133	2.138	10.63	0.9761	5.206	5.519	309.6
2	2.006	165.7	2.027	2.795	11.24	1.289	8.050	9.027	304.1
3	2.015	165.8	2.017	2.890	11.33	1.333	9.798	11.48	303.1
3	2.017	165.9	2.014	2.912	11.35	1.343	5.938	6.306	304.0
2	2.026	165.9	2.005	2.956	11.39	1.364	3.755	3.814	305.5
1	2.116	165.9	1.919	3.181	11.62	1.472	1.976	1.984	310.2
	2.200	165.8	1.848	3.328	11.77	1.543	1.685	1.713	313.1
	2.400	165.3	1.699	3.624	12.09	1.684	1.533	1.605	317.1
	2.700	164.4	1.518	4.067	12.58	1.878	1.517	1.629	320.2
	3.000	163.4	1.375	4.507	13.08	2.052	1.587	1.760	320.4
	3.300	162.0	1.260	5.010	13.65	2.235	1.813	2.071	317.8
	3.600	160.5	1.167	5.592	14.32	2.427	2.000	2.358	314.7
	3.900	158.7	1.089	6.240	15.06	2.626	2.130	2.602	311.5
	4.200	156.8	1.024	6.944	15.87	2.827	2.218	2.818	308.4
	4.500	154.6	0.9687	7.696	16.75	3.028	2.279	3.022	305.1
	4.800	152.3	0.9221	8.493	17.69	3.230	2.326	3.225	301.6
	5.000	150.6	0.8950	9.050	18.35	3.364	2.353	3.364	299.1
	5.100	149.7	0.8826	9.336	18.69	3.432	2.366	3.435	297.8
5.300	147.9	0.8596	9.924	19.39	19.39	3.566	2.391	3.582	295.1
5.500	146.1	0.8390	10.53	20.12	20.12	3.702	2.415	3.735	292.1
6.000	141.0	0.7969	12.16	22.09	22.09	4.044	2.474	4.150	283.9
6.500	135.3	0.7664	13.93	24.28	24.28	4.395	2.534	4.619	274.6
7.000	129.0	0.7461	15.87	26.72	26.72	4.756	2.596	5.146	264.4
8.000	114.8	0.7338	20.25	32.44	32.44	5.518	2.719	6.307	243.9
9.000	99.33	0.7539	25.16	39.25	39.25	6.320	2.837	7.226	228.8
10.00	85.04	0.7926	30.21	46.67	46.67	7.101	2.937	7.510	223.0
12.00	64.38	0.8724	39.66	61.41	61.41	8.446	3.062	7.147	228.5
15.00	47.25	0.9509	52.15	81.78	81.78	9.964	3.137	6.478	248.6
20.00	33.43	1.008	70.65	112.5	112.5	11.74	3.167	5.904	283.2
25.00	26.22	1.028	87.92	141.3	141.3	13.02	3.169	5.644	314.0
30.00	21.69	1.036	104.6	169.2	169.2	14.04	3.164	5.503	341.6
40.00	16.24	1.037	137.2	223.4	223.4	15.60	3.154	5.362	390.1
50.00	13.03	1.035	169.2	276.6	276.6	16.79	3.146	5.296	432.7
60.00	10.89	1.031	200.9	329.4	329.4	17.75	3.140	5.260	471.2
80.00	8.220	1.025	263.9	434.2	434.2	19.26	3.132	5.226	539.7
100.0	6.605	1.020	326.6	538.6	538.6	20.42	3.128	5.211	600.3
120.0	5.522	1.017	389.1	642.7	642.7	21.37	3.125	5.203	655.3
140.0	4.744	1.015	451.6	746.7	746.7	22.17	3.123	5.199	706.0
160.0	4.159	1.013	514.1	850.7	850.7	22.87	3.122	5.196	753.3
180.0	3.703	1.011	576.5	954.6	954.6	23.48	3.121	5.195	797.8
200.0	3.336	1.010	638.8	1058.	1058.	24.03	3.120	5.194	839.9
220.0	3.036	1.009	701.2	1162.	1162.	24.52	3.120	5.193	880.1
240.0	2.785	1.008	763.5	1266.	1266.	24.97	3.119	5.193	918.5
260.0	2.573	1.008	825.9	1370.	1370.	25.39	3.119	5.192	955.4
280.0	2.391	1.007	888.2	1474.	1474.	25.77	3.119	5.192	990.9
300.0	2.232	1.006	950.6	1578.	1578.	26.13	3.118	5.192	1025.
350.0	1.915	1.005	1106.	1837.	1837.	26.93	3.118	5.192	1106.
400.0	1.677	1.005	1262.	2097.	2097.	27.63	3.117	5.192	1182.
500.0	1.343	1.004	1574.	2616.	2616.	28.78	3.117	5.192	1320.
600.0	1.120	1.003	1885.	3135.	3135.	29.73	3.117	5.192	1445.
700.0	0.9605	1.002	2197.	3655.	3655.	30.53	3.117	5.192	1560.
800.0	0.8407	1.002	2509.	4174.	4174.	31.22	3.116	5.192	1667.
900.0	0.7475	1.002	2820.	4693.	4693.	31.84	3.116	5.192	1768.
1000.	0.6729	1.002	3132.	5212.	5212.	32.38	3.116	5.192	1863.
1100.	0.6118	1.001	3443.	5731.	5731.	32.88	3.116	5.192	1954.
1200.	0.5609	1.001	3755.	6251.	6251.	33.33	3.116	5.193	2041.
1300.	0.5178	1.001	4066.	6770.	6770.	33.75	3.116	5.193	2124.
1400.	0.4809	1.001	4378.	7289.	7289.	34.13	3.116	5.193	2204.
1500.	0.4489	1.001	4690.	7808.	7808.	34.49	3.116	5.193	2281.

PRESSURE = 1.400 [MPa]

TEMP [K]	$\left(\frac{T}{V} \frac{\partial V}{\partial T}\right)_P$	$\left(\frac{V}{C_V} \frac{\partial P}{\partial T}\right)_V$	$\left(\frac{P}{\rho} \frac{\partial \rho}{\partial P}\right)_T$	DIEL - 1	CONDUCT [W/m·K]	VISC [μPa·s]	THDIFF [m <sup>2</sup> /s]	PRANDTL
0.8000	-0.5348E-03	-1.464	0.8474E-01	0.6430E-01				
1.000	-0.2741E-02	-1.720	0.8492E-01	0.6432E-01				
1.200	-0.6451E-02	-1.253	0.8496E-01	0.6438E-01				
1.400	-0.1254E-01	-0.9249	0.8503E-01	0.6447E-01				
1.600	-0.2366E-01	-0.7606	0.8590E-01	0.6462E-01				
1.800	-0.4861E-01	-0.7192	0.8927E-01	0.6489E-01				
1.916	-0.8145E-01	-0.7382	0.9392E-01	0.6515E-01				
2.006	-0.1542	-0.7875	0.1025	0.6548E-01				
2.015	-0.2078	-0.8254	0.1076	0.6553E-01				
2.017	-0.9234E-01	-0.6710	0.9697E-01	0.8554E-01				
2.026	-0.3600E-01	-0.4347	0.9184E-01	0.8556E-01				
2.116	0.1303E-01	0.2988	0.8801E-01	0.6556E-01				
2.200	0.2558E-01	0.6652	0.8761E-01	0.6551E-01				
2.400	0.4242E-01	1.107	0.8816E-01	0.6531E-01				
2.700	0.5621E-01	1.310	0.8917E-01	0.6496E-01				
3.000	0.7497E-01	1.458	0.9257E-01	0.6453E-01				
3.300	0.9815E-01	1.451	0.9772E-01	0.6399E-01				
3.600	0.1238	1.445	0.1039	0.6337E-01	0.2255E-01	5.768	0.5960E-07	0.6031
3.900	0.1522	1.456	0.1110	0.6266E-01	0.2359E-01	5.637	0.5712E-07	0.6218
4.200	0.1836	1.475	0.1193	0.6188E-01	0.2450E-01	5.507	0.5546E-07	0.6334
4.500	0.2181	1.494	0.1289	0.6101E-01	0.2528E-01	5.378	0.5411E-07	0.6428
4.800	0.2564	1.507	0.1401	0.6007E-01	0.2594E-01	5.249	0.5282E-07	0.6526
5.000	0.2841	1.512	0.1485	0.5940E-01	0.2631E-01	5.163	0.5192E-07	0.6602
5.100	0.2988	1.513	0.1530	0.5905E-01	0.2647E-01	5.120	0.5146E-07	0.6644
5.300	0.3296	1.512	0.1628	0.5833E-01	0.2676E-01	5.034	0.5051E-07	0.6738
5.500	0.3628	1.507	0.1737	0.5757E-01	0.2701E-01	4.949	0.4951E-07	0.6844
6.000	0.4575	1.481	0.2067	0.5553E-01	0.2742E-01	4.738	0.4687E-07	0.7172
6.500	0.5724	1.437	0.2501	0.5326E-01	0.2758E-01	4.532	0.4413E-07	0.7591
7.000	0.7114	1.381	0.3077	0.5076E-01	0.2752E-01	4.332	0.4145E-07	0.8099
8.000	1.058	1.247	0.4756	0.4509E-01	0.2696E-01	3.964	0.3723E-07	0.9273
9.000	1.386	1.116	0.6858	0.3894E-01	0.2626E-01	3.677	0.3659E-07	1.012
10.00	1.533	1.015	0.8464	0.3328E-01	0.2588E-01	3.505	0.4052E-07	1.017
12.00	1.480	0.9013	0.9717	0.2513E-01	0.2611E-01	3.430	0.5675E-07	0.9387
15.00	1.294	0.8232	0.9902	0.1841E-01	0.2753E-01	3.593	0.8992E-07	0.8457
20.00	1.128	0.7661	0.9736	0.1300E-01	0.3054E-01	4.032	0.1547E-06	0.7797
25.00	1.057	0.7387	0.9648	0.1019E-01	0.3368E-01	4.493	0.2277E-06	0.7529
30.00	1.023	0.7227	0.9620	0.8426E-02	0.3681E-01	4.938	0.3083E-06	0.7382
40.00	0.9933	0.7048	0.9630	0.6304E-02	0.4289E-01	5.762	0.4926E-06	0.7203
50.00	0.9833	0.6952	0.9664	0.5055E-02	0.4874E-01	6.516	0.7063E-06	0.7080
60.00	0.9800	0.6892	0.9699	0.4226E-02	0.5436E-01	7.217	0.9485E-06	0.6983
80.00	0.9795	0.6824	0.9757	0.3187E-02	0.6502E-01	8.509	0.1514E-05	0.6839
100.0	0.9813	0.6786	0.9800	0.2561E-02	0.7505E-01	9.705	0.2181E-05	0.6739
120.0	0.9833	0.6762	0.9831	0.2141E-02	0.8456E-01	10.84	0.2943E-05	0.6670
140.0	0.9851	0.6745	0.9855	0.1839E-02	0.9366E-01	11.93	0.3797E-05	0.6625
160.0	0.9867	0.6734	0.9874	0.1612E-02	0.1024	13.00	0.4738E-05	0.6598
180.0	0.9880	0.6725	0.9889	0.1435E-02	0.1108	14.04	0.5763E-05	0.6582
200.0	0.9891	0.6718	0.9900	0.1293E-02	0.1190	15.10	0.6869E-05	0.6588
220.0	0.9901	0.6712	0.9910	0.1177E-02	0.1270	16.12	0.8054E-05	0.6592
240.0	0.9909	0.6708	0.9918	0.1079E-02	0.1347	17.11	0.9315E-05	0.6596
260.0	0.9916	0.6704	0.9925	0.9971E-03	0.1423	18.08	0.1065E-04	0.6599
280.0	0.9922	0.6701	0.9931	0.9264E-03	0.1497	19.03	0.1206E-04	0.6601
300.0	0.9928	0.6698	0.9936	0.8650E-03	0.1569	19.96	0.1354E-04	0.6603
350.0	0.9939	0.6693	0.9947	0.7422E-03	0.1745	22.20	0.1754E-04	0.6606
400.0	0.9947	0.6689	0.9954	0.6499E-03	0.1913	24.34	0.2197E-04	0.6608
500.0	0.9959	0.6684	0.9964	0.5204E-03	0.2232	28.41	0.3200E-04	0.6610
600.0	0.9967	0.6681	0.9971	0.4340E-03	0.2533	32.25	0.4355E-04	0.6611
700.0	0.9972	0.6679	0.9976	0.3722E-03	0.2819	35.89	0.5652E-04	0.6611
800.0	0.9976	0.6677	0.9979	0.3257E-03	0.3093	39.39	0.7086E-04	0.6612
900.0	0.9979	0.6676	0.9982	0.2896E-03	0.3358	42.76	0.8651E-04	0.6612
1000.	0.9982	0.6675	0.9984	0.2607E-03	0.3614	46.01	0.1034E-03	0.6612
1100.	0.9983	0.6674	0.9986	0.2370E-03	0.3862	49.18	0.1216E-03	0.6611
1200.	0.9985	0.6673	0.9987	0.2173E-03	0.4104	52.26	0.1409E-03	0.6611
1300.	0.9986	0.6673	0.9988	0.2006E-03	0.4340	55.26	0.1614E-03	0.6611
1400.	0.9988	0.6672	0.9989	0.1863E-03	0.4571	58.19	0.1831E-03	0.6611
1500.	0.9989	0.6672	0.9990	0.1739E-03	0.4797	61.07	0.2058E-03	0.6611

PRESSURE = 1.600 [MPa]

	TEMP [K]	DENSITY [kg/m <sup>3</sup> ]	PV/RT [-]	ENERGY [J/g]	ENTHALPY [J/g]	ENTROPY [J/g·K]	C <sub>v</sub> [J/g·K]	C <sub>p</sub> [J/g·K]	V SOUND [m/s]
	0.8000	164.7	5.845	0.5616	10.27	0.6129E-02	0.5513E-01	0.5518E-01	325.6
	1.000	164.8	4.674	0.5862	10.30	0.2931E-01	0.1749	0.1757	326.0
	1.200	164.9	3.892	0.6536	10.36	0.8310E-01	0.4556	0.4591	327.0
	1.400	165.1	3.332	0.8099	10.50	0.1920	1.015	1.028	328.0
	1.600	165.5	2.908	1.132	10.80	0.3899	2.014	2.057	327.2
	1.800	166.3	2.573	1.755	11.38	0.7287	3.761	3.938	322.4
1	1.889	166.9	2.444	2.198	11.79	0.9510	5.034	5.399	318.4
2	1.979	167.7	2.320	2.850	12.39	1.262	7.728	8.832	312.6
3	1.988	167.9	2.308	2.944	12.48	1.306	9.321	11.18	311.5
3	1.990	167.9	2.305	2.966	12.50	1.316	5.683	6.103	312.4
2	1.999	167.9	2.294	3.008	12.53	1.335	3.582	3.652	314.0
1	2.089	168.0	2.195	3.225	12.75	1.441	1.889	1.895	319.1
	2.200	167.8	2.086	3.405	12.94	1.529	1.569	1.600	323.0
	2.400	167.3	1.918	3.683	13.25	1.663	1.499	1.568	326.7
	2.700	166.5	1.714	4.113	13.73	1.854	1.472	1.574	330.1
	3.000	165.5	1.552	4.535	14.20	2.023	1.545	1.702	330.5
	3.300	164.2	1.421	5.018	14.76	2.200	1.774	2.007	328.0
	3.600	162.8	1.314	5.577	15.41	2.387	1.963	2.288	325.2
	3.900	161.1	1.226	6.200	16.13	2.579	2.095	2.524	322.4
	4.200	159.3	1.151	6.875	16.92	2.774	2.185	2.730	319.6
	4.500	157.3	1.088	7.596	17.77	2.969	2.248	2.923	316.8
	4.800	155.2	1.034	8.360	18.67	3.164	2.297	3.112	313.8
	5.000	153.6	1.003	8.891	19.31	3.293	2.325	3.240	311.6
	5.100	152.8	0.9882	9.164	19.63	3.358	2.338	3.305	310.5
	5.300	151.2	0.9613	9.725	20.31	3.488	2.364	3.439	308.1
	5.500	149.5	0.9370	10.30	21.01	3.618	2.389	3.577	305.6
	6.000	144.8	0.8864	11.84	22.89	3.944	2.451	3.944	298.5
	6.500	139.7	0.8480	13.51	24.96	4.276	2.512	4.348	290.3
	7.000	134.2	0.8200	15.32	27.24	4.614	2.574	4.790	281.4
	8.000	121.7	0.7909	19.37	32.51	5.316	2.695	5.756	262.7
	9.000	108.0	0.7922	23.92	38.73	6.048	2.809	6.649	246.8
	10.00	94.52	0.8149	28.74	45.67	6.779	2.908	7.151	237.7
	12.00	73.00	0.8793	38.17	60.09	8.093	3.045	7.122	237.5
	15.00	53.84	0.9537	50.90	80.61	9.622	3.134	6.567	254.1
	20.00	38.05	1.012	69.74	111.8	11.42	3.172	5.980	286.9
	25.00	29.81	1.034	87.22	140.9	12.72	3.175	5.696	317.2
	30.00	24.66	1.041	104.1	189.0	13.74	3.170	5.540	344.5
	40.00	18.46	1.043	136.8	223.5	15.31	3.159	5.383	392.7
	50.00	14.82	1.040	168.9	276.9	16.51	3.149	5.309	435.1
	60.00	12.40	1.035	200.7	329.8	17.47	3.143	5.269	473.4
	80.00	9.361	1.029	263.8	434.7	18.98	3.135	5.231	541.6
	100.0	7.527	1.023	326.5	539.1	20.14	3.130	5.213	602.0
	120.0	6.295	1.020	389.1	643.3	21.09	3.127	5.205	656.8
	140.0	5.411	1.017	451.6	747.3	21.90	3.125	5.200	707.3
	160.0	4.745	1.015	514.1	851.3	22.59	3.123	5.197	754.5
	180.0	4.225	1.013	576.5	955.2	23.20	3.122	5.195	799.0
	200.0	3.808	1.011	638.9	1059.	23.75	3.121	5.194	841.0
	220.0	3.465	1.010	701.3	1163.	24.24	3.120	5.193	881.1
	240.0	3.180	1.009	763.6	1267.	24.70	3.120	5.193	919.5
	260.0	2.937	1.009	826.0	1371.	25.11	3.119	5.192	956.3
	280.0	2.729	1.008	888.3	1475.	25.50	3.119	5.192	991.8
	300.0	2.549	1.007	950.6	1578.	25.85	3.119	5.192	1026.
	350.0	2.187	1.006	1106.	1838.	26.65	3.118	5.192	1107.
	400.0	1.916	1.005	1262.	2098.	27.35	3.118	5.192	1182.
	500.0	1.534	1.004	1574.	2617.	28.51	3.117	5.192	1321.
	600.0	1.280	1.003	1885.	3136.	29.45	3.117	5.192	1446.
	700.0	1.097	1.003	2197.	3655.	30.25	3.117	5.192	1561.
	800.0	0.9606	1.002	2509.	4174.	30.95	3.117	5.192	1668.
	900.0	0.8541	1.002	2820.	4694.	31.56	3.116	5.192	1768.
	1000.	0.7689	1.002	3132.	5213.	32.11	3.116	5.192	1864.
	1100.	0.6991	1.002	3443.	5732.	32.60	3.116	5.192	1954.
	1200.	0.6409	1.001	3755.	6251.	33.05	3.116	5.192	2041.
	1300.	0.5917	1.001	4066.	6770.	33.47	3.116	5.193	2124.
	1400.	0.5495	1.001	4378.	7290.	33.85	3.116	5.193	2204.
	1500.	0.5129	1.001	4690.	7809.	34.21	3.116	5.193	2281.



PRESSURE = 1.600 [MPa]

TEMP [K]	$\left(\frac{T}{V} \frac{\partial V}{\partial T}\right)_P$	$\left(\frac{V}{C_V} \frac{\partial P}{\partial T}\right)_V$	$\left(\frac{P}{\rho} \frac{\partial \rho}{\partial P}\right)_T$	DIEL - 1	CONDUCT [W/m·K]	VISC [μPa·s]	THDIFF [m <sup>2</sup> /s]	PRANDTL
0.8000	-0.6531E-03	-1.568	0.9172E-01	0.6508E-01				
1.000	-0.2725E-02	-1.648	0.9175E-01	0.6510E-01				
1.200	-0.6271E-02	-1.217	0.9142E-01	0.6515E-01				
1.400	-0.1271E-01	-0.9504	0.9117E-01	0.6525E-01				
1.600	-0.2579E-01	-0.8389	0.9221E-01	0.6541E-01				
1.800	-0.5667E-01	-0.8310	0.9690E-01	0.6571E-01				
1.889	-0.8543E-01	-0.8491	0.1015	0.6594E-01				
1.979	-0.1599	-0.8937	0.1116	0.6629E-01				
1.988	-0.2135	-0.9325	0.1178	0.6635E-01				
1.990	-0.9590E-01	-0.7707	0.1048	0.6636E-01				
1.999	-0.3794E-01	-0.5125	0.9849E-01	0.6638E-01				
2.089	0.1088E-01	0.2801	0.9380E-01	0.6639E-01				
2.200	0.2581E-01	0.7652	0.9320E-01	0.6632E-01				
2.400	0.4028E-01	1.143	0.9370E-01	0.6612E-01				
2.700	0.5205E-01	1.334	0.9435E-01	0.6577E-01				
3.000	0.6888E-01	1.473	0.9752E-01	0.6537E-01				
3.300	0.9004E-01	1.463	0.1025	0.6487E-01				
3.600	0.1135	1.457	0.1083	0.6429E-01	0.2303E-01	6.088	0.6184E-07	0.6048
3.900	0.1392	1.470	0.1151	0.6363E-01	0.2412E-01	5.937	0.5931E-07	0.6212
4.200	0.1675	1.491	0.1229	0.6290E-01	0.2509E-01	5.794	0.5767E-07	0.6305
4.500	0.1983	1.513	0.1318	0.6210E-01	0.2593E-01	5.654	0.5639E-07	0.6373
4.800	0.2320	1.529	0.1419	0.6123E-01	0.2664E-01	5.517	0.5517E-07	0.6445
5.000	0.2562	1.536	0.1495	0.6061E-01	0.2705E-01	5.427	0.5434E-07	0.6501
5.100	0.2689	1.538	0.1535	0.6029E-01	0.2724E-01	5.383	0.5399E-07	0.6533
5.300	0.2954	1.539	0.1622	0.5963E-01	0.2757E-01	5.295	0.5303E-07	0.6604
5.500	0.3236	1.536	0.1716	0.5894E-01	0.2785E-01	5.208	0.5211E-07	0.6687
6.000	0.4024	1.515	0.1996	0.5708E-01	0.2837E-01	4.994	0.4966E-07	0.6944
6.500	0.4950	1.476	0.2351	0.5504E-01	0.2864E-01	4.789	0.4713E-07	0.7271
7.000	0.6036	1.426	0.2801	0.5282E-01	0.2869E-01	4.592	0.4464E-07	0.7664
8.000	0.8704	1.305	0.4066	0.4785E-01	0.2835E-01	4.231	0.4046E-07	0.8591
9.000	1.159	1.180	0.5757	0.4239E-01	0.2775E-01	3.937	0.3863E-07	0.9434
10.00	1.359	1.073	0.7370	0.3703E-01	0.2728E-01	3.735	0.4036E-07	0.9790
12.00	1.424	0.9401	0.9086	0.2853E-01	0.2725E-01	3.591	0.5241E-07	0.9385
15.00	1.293	0.8473	0.9645	0.2099E-01	0.2844E-01	3.698	0.8044E-07	0.8539
20.00	1.134	0.7807	0.9629	0.1481E-01	0.3128E-01	4.102	0.1375E-06	0.7842
25.00	1.060	0.7491	0.9572	0.1159E-01	0.3432E-01	4.548	0.2021E-06	0.7549
30.00	1.023	0.7306	0.9555	0.9580E-02	0.3736E-01	4.984	0.2735E-06	0.7390
40.00	0.9916	0.7102	0.9576	0.7169E-02	0.4335E-01	5.801	0.4361E-06	0.7204
50.00	0.9808	0.6992	0.9616	0.5751E-02	0.4912E-01	6.550	0.6243E-06	0.7080
60.00	0.9771	0.6925	0.9657	0.4810E-02	0.5469E-01	7.248	0.8372E-06	0.6983
80.00	0.9767	0.6846	0.9723	0.3631E-02	0.6529E-01	8.537	0.1333E-05	0.6839
100.0	0.9787	0.6803	0.9772	0.2918E-02	0.7528E-01	9.730	0.1918E-05	0.6739
120.0	0.9810	0.6775	0.9808	0.2441E-02	0.8477E-01	10.86	0.2587E-05	0.6670
140.0	0.9830	0.6757	0.9835	0.2098E-02	0.9384E-01	11.96	0.3335E-05	0.6624
160.0	0.9848	0.6743	0.9856	0.1839E-02	0.1026	13.02	0.4160E-05	0.6597
180.0	0.9863	0.6733	0.9873	0.1638E-02	0.1110	14.06	0.5058E-05	0.6580
200.0	0.9876	0.6725	0.9886	0.1476E-02	0.1192	15.11	0.6027E-05	0.6585
220.0	0.9887	0.6719	0.9897	0.1343E-02	0.1271	16.13	0.7064E-05	0.6589
240.0	0.9896	0.6714	0.9907	0.1232E-02	0.1349	17.12	0.8169E-05	0.6593
260.0	0.9904	0.6709	0.9915	0.1138E-02	0.1424	18.09	0.9339E-05	0.6595
280.0	0.9911	0.6706	0.9921	0.1058E-02	0.1498	19.04	0.1057E-04	0.6597
300.0	0.9918	0.6703	0.9927	0.9878E-03	0.1571	19.96	0.1187E-04	0.6599
350.0	0.9930	0.6697	0.9939	0.8476E-03	0.1746	22.20	0.1538E-04	0.6601
400.0	0.9940	0.6692	0.9948	0.7423E-03	0.1914	24.34	0.1925E-04	0.6603
500.0	0.9953	0.6687	0.9959	0.5945E-03	0.2233	28.41	0.2803E-04	0.6604
600.0	0.9962	0.6683	0.9967	0.4958E-03	0.2534	32.23	0.3814E-04	0.6605
700.0	0.9968	0.6680	0.9973	0.4252E-03	0.2820	35.87	0.4950E-04	0.6605
800.0	0.9973	0.6678	0.9976	0.3722E-03	0.3094	39.36	0.6204E-04	0.6605
900.0	0.9976	0.6677	0.9979	0.3309E-03	0.3359	42.73	0.7574E-04	0.6605
1000.	0.9979	0.6676	0.9982	0.2979E-03	0.3615	45.98	0.9055E-04	0.6604
1100.	0.9981	0.6675	0.9984	0.2709E-03	0.3863	49.14	0.1064E-03	0.6604
1200.	0.9983	0.6674	0.9985	0.2483E-03	0.4105	52.21	0.1234E-03	0.6604
1300.	0.9984	0.6673	0.9987	0.2293E-03	0.4341	55.21	0.1413E-03	0.6604
1400.	0.9986	0.6673	0.9988	0.2129E-03	0.4572	58.15	0.1602E-03	0.6604
1500.	0.9987	0.6672	0.9989	0.1987E-03	0.4798	61.02	0.1801E-03	0.6604

PRESSURE = 1.800 [MPa]

	TEMP [K]	DENSITY [kg/m <sup>3</sup> ]	PV/RT [-]	ENERGY [J/g]	ENTHALPY [J/g]	ENTROPY [J/g·K]	C <sub>v</sub> [J/g·K]	C <sub>p</sub> [J/g·K]	VSOUND [m/s]
	0.8000	166.6	6.503	0.6769	11.48	0.7175E-02	0.6310E-01	0.6317E-01	332.5
	1.000	166.6	5.200	0.7038	11.51	0.3251E-01	0.1870	0.1877	333.2
	1.200	166.8	4.330	0.7747	11.57	0.8922E-01	0.4777	0.4809	334.6
	1.400	167.0	3.707	0.9384	11.72	0.2030	1.060	1.073	335.9
	1.600	167.4	3.235	1.279	12.03	0.4102	2.107	2.162	335.1
	1.800	168.3	2.861	1.949	12.64	0.7695	3.970	4.221	329.6
1	1.861	168.7	2.760	2.263	12.93	0.9264	4.862	5.278	326.6
2	1.951	169.6	2.618	2.911	13.52	1.235	7.400	8.628	320.5
3	1.960	169.8	2.604	3.004	13.61	1.278	8.837	10.85	319.3
3	1.962	169.8	2.601	3.027	13.63	1.289	5.447	5.923	320.3
2	1.971	169.9	2.588	3.068	13.66	1.308	3.417	3.498	322.0
1	2.061	169.9	2.475	3.276	13.87	1.410	1.806	1.810	327.6
	2.200	169.7	2.321	3.488	14.09	1.515	1.473	1.506	332.5
	2.400	169.2	2.134	3.749	14.39	1.643	1.470	1.536	335.9
	2.700	168.4	1.906	4.169	14.86	1.832	1.431	1.525	339.5
	3.000	167.4	1.725	4.575	15.33	1.997	1.507	1.650	339.9
	3.300	166.3	1.579	5.040	15.87	2.168	1.737	1.950	337.6
	3.600	164.9	1.460	5.578	16.49	2.350	1.928	2.225	335.0
	3.900	163.4	1.360	6.179	17.20	2.537	2.062	2.454	332.4
	4.200	161.7	1.276	6.830	17.96	2.726	2.153	2.653	330.0
	4.500	159.8	1.205	7.524	18.79	2.916	2.218	2.837	327.5
	4.800	157.8	1.144	8.258	19.67	3.105	2.269	3.016	324.9
	5.000	156.4	1.108	8.769	20.28	3.230	2.298	3.136	323.0
	5.100	155.6	1.092	9.031	20.60	3.293	2.312	3.197	322.1
	5.300	154.1	1.061	9.568	21.25	3.418	2.339	3.321	320.0
	5.500	152.5	1.033	10.12	21.93	3.544	2.365	3.448	317.8
	6.000	148.2	0.9743	11.59	23.73	3.858	2.429	3.783	311.5
	6.500	143.6	0.9285	13.18	25.71	4.175	2.492	4.144	304.3
	7.000	138.5	0.8935	14.89	27.88	4.496	2.556	4.531	296.4
	8.000	127.4	0.8504	18.69	32.83	5.155	2.677	5.365	279.4
	9.000	115.1	0.8367	22.97	38.61	5.835	2.788	6.181	263.6
	10.00	102.5	0.8452	27.55	45.11	6.520	2.886	6.771	252.6
	12.00	80.94	0.8922	36.84	59.08	7.792	3.029	7.030	247.4
	15.00	60.22	0.9593	49.71	79.60	9.321	3.131	6.621	260.1
	20.00	42.58	1.017	68.85	111.1	11.14	3.176	6.045	290.9
	25.00	33.35	1.039	86.54	140.5	12.45	3.181	5.744	320.5
	30.00	27.58	1.047	103.5	168.8	13.48	3.176	5.576	347.5
	40.00	20.66	1.048	136.4	223.6	15.06	3.163	5.404	395.3
	50.00	16.59	1.045	168.7	277.1	16.26	3.153	5.323	437.4
	60.00	13.89	1.040	200.5	330.1	17.22	3.146	5.278	475.6
	80.00	10.50	1.032	263.7	435.2	18.73	3.137	5.235	543.5
	100.0	8.443	1.026	326.5	539.7	19.90	3.131	5.216	603.7
	120.0	7.065	1.022	389.1	643.9	20.85	3.128	5.206	658.3
	140.0	6.075	1.019	451.7	748.0	21.65	3.126	5.201	708.7
	160.0	5.328	1.016	514.1	851.9	22.35	3.124	5.197	755.8
	180.0	4.745	1.014	576.5	955.9	22.96	3.123	5.195	800.2
	200.0	4.277	1.013	638.9	1060.	23.50	3.122	5.194	842.2
	220.0	3.893	1.012	701.3	1164.	24.00	3.121	5.193	882.2
	240.0	3.573	1.011	763.7	1267.	24.45	3.120	5.193	920.5
	260.0	3.301	1.010	826.0	1371.	24.87	3.120	5.192	957.2
	280.0	3.067	1.009	888.4	1475.	25.25	3.119	5.192	992.7
	300.0	2.865	1.008	950.7	1579.	25.61	3.119	5.192	1027.
	350.0	2.459	1.007	1107.	1839.	26.41	3.118	5.192	1108.
	400.0	2.154	1.006	1262.	2098.	27.10	3.118	5.191	1183.
	500.0	1.725	1.005	1574.	2617.	28.26	3.117	5.192	1321.
	600.0	1.439	1.004	1886.	3136.	29.21	3.117	5.192	1446.
	700.0	1.234	1.003	2197.	3656.	30.01	3.117	5.192	1561.
	800.0	1.080	1.003	2509.	4175.	30.70	3.117	5.192	1668.
	900.0	0.9606	1.002	2820.	4694.	31.31	3.116	5.192	1769.
	1000.	0.8648	1.002	3132.	5213.	31.86	3.116	5.192	1864.
	1100.	0.7863	1.002	3443.	5733.	32.36	3.116	5.192	1955.
	1200.	0.7209	1.002	3755.	6252.	32.81	3.116	5.192	2041.
	1300.	0.6656	1.002	4067.	6771.	33.22	3.116	5.192	2124.
	1400.	0.6181	1.001	4378.	7290.	33.61	3.116	5.192	2204.
	1500.	0.5770	1.001	4690.	7809.	33.97	3.116	5.193	2282.

PRESSURE = 1.800 [MPa]

TEMP [K]	$\left(\frac{T}{V} \frac{\partial V}{\partial T}\right)_P$	$\left(\frac{V}{C_V} \frac{\partial P}{\partial T}\right)_V$	$\left(\frac{P}{\rho} \frac{\partial \rho}{\partial P}\right)_T$	DIEL - 1	CONDUCT [W/m <sup>2</sup> ·K]	VISC [μPa·s]	THDIFF [m <sup>2</sup> /s]	PRANDTL
0.8000	-0.7229E-03	-1.582	0.9783E-01	0.6583E-01				
1.000	-0.2545E-02	-1.505	0.9767E-01	0.6585E-01				
1.200	-0.5874E-02	-1.140	0.9705E-01	0.6590E-01				
1.400	-0.1284E-01	-0.9645	0.9671E-01	0.6599E-01				
1.600	-0.2840E-01	-0.9220	0.9824E-01	0.6616E-01				
1.800	-0.6644E-01	-0.9498	0.1047	0.6651E-01				
1.861	-0.8881E-01	-0.9644	0.1086	0.6669E-01				
1.951	-0.1649	-1.006	0.1205	0.6706E-01				
1.960	-0.2182	-1.046	0.1277	0.6712E-01				
1.962	-0.9854E-01	-0.8786	0.1124	0.6714E-01				
1.971	-0.3964E-01	-0.5961	0.1046	0.6715E-01				
2.061	0.9021E-02	0.2595	0.9895E-01	0.6717E-01				
2.200	0.2591E-01	0.8645	0.9810E-01	0.6709E-01				
2.400	0.3836E-01	1.174	0.9852E-01	0.6689E-01				
2.700	0.4844E-01	1.356	0.9887E-01	0.6654E-01				
3.000	0.6369E-01	1.487	0.1019	0.6616E-01				
3.300	0.8318E-01	1.473	0.1066	0.6569E-01				
3.600	0.1047	1.468	0.1122	0.6515E-01	0.2348E-01	6.408	0.6400E-07	0.6072
3.900	0.1284	1.483	0.1187	0.6453E-01	0.2463E-01	6.237	0.6142E-07	0.6216
4.200	0.1542	1.507	0.1260	0.6385E-01	0.2565E-01	6.078	0.5978E-07	0.6288
4.500	0.1822	1.531	0.1343	0.6310E-01	0.2654E-01	5.926	0.5853E-07	0.6336
4.800	0.2125	1.549	0.1436	0.6229E-01	0.2730E-01	5.781	0.5737E-07	0.6385
5.000	0.2341	1.558	0.1505	0.6171E-01	0.2775E-01	5.686	0.5658E-07	0.6427
5.100	0.2453	1.560	0.1542	0.6142E-01	0.2795E-01	5.640	0.5618E-07	0.6451
5.300	0.2687	1.563	0.1620	0.6080E-01	0.2832E-01	5.548	0.5534E-07	0.6506
5.500	0.2933	1.562	0.1704	0.6016E-01	0.2864E-01	5.458	0.5447E-07	0.6571
6.000	0.3612	1.544	0.1949	0.5845E-01	0.2925E-01	5.240	0.5216E-07	0.6777
6.500	0.4391	1.510	0.2251	0.5658E-01	0.2961E-01	5.032	0.4976E-07	0.7042
7.000	0.5284	1.463	0.2622	0.5456E-01	0.2976E-01	4.834	0.4741E-07	0.7360
8.000	0.7431	1.351	0.3629	0.5010E-01	0.2960E-01	4.476	0.4331E-07	0.8114
9.000	0.9869	1.233	0.4989	0.4519E-01	0.2910E-01	4.178	0.4091E-07	0.8874
10.00	1.195	1.126	0.6456	0.4021E-01	0.2862E-01	3.957	0.4122E-07	0.9363
12.00	1.349	0.9789	0.8431	0.3166E-01	0.2837E-01	3.755	0.4985E-07	0.9306
15.00	1.279	0.8715	0.9341	0.2350E-01	0.2934E-01	3.807	0.7359E-07	0.8591
20.00	1.136	0.7952	0.9504	0.1658E-01	0.3201E-01	4.172	0.1243E-06	0.7881
25.00	1.062	0.7594	0.9489	0.1297E-01	0.3495E-01	4.603	0.1824E-06	0.7567
30.00	1.023	0.7386	0.9487	0.1072E-01	0.3792E-01	5.032	0.2466E-06	0.7398
40.00	0.9897	0.7156	0.9521	0.8024E-02	0.4380E-01	5.840	0.3923E-06	0.7204
50.00	0.9781	0.7033	0.9569	0.6441E-02	0.4951E-01	6.565	0.5606E-06	0.7079
60.00	0.9742	0.6957	0.9615	0.5389E-02	0.5503E-01	7.280	0.7508E-06	0.6983
80.00	0.9738	0.6869	0.9690	0.4071E-02	0.6557E-01	8.565	0.1193E-05	0.6839
100.0	0.9761	0.6820	0.9744	0.3274E-02	0.7551E-01	9.755	0.1715E-05	0.6738
120.0	0.9787	0.6789	0.9785	0.2739E-02	0.8497E-01	10.89	0.2310E-05	0.6669
140.0	0.9810	0.6768	0.9815	0.2355E-02	0.9403E-01	11.98	0.2976E-05	0.6624
160.0	0.9830	0.6753	0.9838	0.2066E-02	0.1028	13.04	0.3710E-05	0.6595
180.0	0.9846	0.6741	0.9857	0.1839E-02	0.1112	14.08	0.4510E-05	0.6578
200.0	0.9861	0.6732	0.9872	0.1658E-02	0.1193	15.13	0.5372E-05	0.6583
220.0	0.9873	0.6725	0.9885	0.1509E-02	0.1273	16.14	0.6295E-05	0.6587
240.0	0.9884	0.6720	0.9895	0.1385E-02	0.1350	17.13	0.7278E-05	0.6590
260.0	0.9893	0.6715	0.9904	0.1279E-02	0.1426	18.10	0.8319E-05	0.6592
280.0	0.9901	0.6711	0.9912	0.1189E-02	0.1500	19.04	0.9417E-05	0.6593
300.0	0.9907	0.6707	0.9918	0.1110E-02	0.1572	19.97	0.1057E-04	0.6594
350.0	0.9922	0.6701	0.9931	0.9529E-03	0.1747	22.20	0.1369E-04	0.6596
400.0	0.9932	0.6696	0.9941	0.8345E-03	0.1915	24.34	0.1713E-04	0.6597
500.0	0.9947	0.6689	0.9954	0.6685E-03	0.2234	28.40	0.2495E-04	0.6598
600.0	0.9957	0.6685	0.9963	0.5575E-03	0.2535	32.22	0.3393E-04	0.6598
700.0	0.9964	0.6682	0.9969	0.4782E-03	0.2821	35.85	0.4403E-04	0.6598
800.0	0.9969	0.6680	0.9974	0.4186E-03	0.3096	39.34	0.5519E-04	0.6598
900.0	0.9973	0.6678	0.9977	0.3722E-03	0.3360	42.70	0.6737E-04	0.6598
1000.	0.9976	0.6677	0.9980	0.3351E-03	0.3616	45.94	0.8053E-04	0.6597
1100.	0.9979	0.6676	0.9982	0.3047E-03	0.3864	49.10	0.9465E-04	0.6597
1200.	0.9981	0.6675	0.9983	0.2793E-03	0.4106	52.17	0.1097E-03	0.6597
1300.	0.9983	0.6674	0.9985	0.2579E-03	0.4342	55.17	0.1256E-03	0.6597
1400.	0.9984	0.6674	0.9986	0.2395E-03	0.4573	58.10	0.1425E-03	0.6597
1500.	0.9985	0.6673	0.9987	0.2235E-03	0.4799	60.97	0.1602E-03	0.6597

PRESSURE = 2.000 [MPa]

	TEMP [K]	DENSITY [kg/m <sup>3</sup> ]	PV/RT [-]	ENERGY [J/g]	ENTHALPY [J/g]	ENTROPY [J/g·K]	C <sub>V</sub> [J/g·K]	C <sub>P</sub> [J/g·K]	V SOUND [m/s]
	0.8000	168.4	7.149	0.7978	12.68	0.8260E-02	0.6999E-01	0.7006E-01	339.8
	1.000	168.4	5.717	0.8263	12.70	0.3538E-01	0.1973	0.1979	340.7
	1.200	168.5	4.761	0.9002	12.77	0.9483E-01	0.5004	0.5032	342.3
	1.400	168.7	4.076	1.072	12.92	0.2140	1.112	1.126	343.5
	1.600	169.2	3.556	1.435	13.25	0.4325	2.218	2.290	342.3
	1.800	170.2	3.142	2.163	13.91	0.8168	4.216	4.570	335.8
1	1.832	170.5	3.083	2.334	14.07	0.8018	4.693	5.158	334.1
2	1.922	171.5	2.922	2.878	14.64	1.208	7.077	8.429	327.6
3	1.931	171.6	2.906	3.070	14.72	1.251	8.376	10.56	326.4
3	1.933	171.7	2.902	3.095	14.75	1.262	5.218	5.753	327.6
2	1.942	171.7	2.888	3.135	14.78	1.281	3.260	3.352	329.5
1	2.032	171.8	2.759	3.335	14.98	1.380	1.727	1.730	335.5
	2.200	171.5	2.552	3.575	15.24	1.502	1.394	1.429	341.6
	2.400	171.0	2.346	3.822	15.52	1.624	1.447	1.511	344.7
	2.700	170.2	2.096	4.233	15.99	1.811	1.393	1.480	348.4
	3.000	169.3	1.896	4.625	16.44	1.972	1.471	1.602	348.8
	3.300	168.2	1.735	5.074	16.97	2.139	1.703	1.898	346.7
	3.600	166.9	1.603	5.594	17.58	2.316	1.895	2.167	344.2
	3.900	165.5	1.492	6.175	18.26	2.499	2.030	2.392	341.9
	4.200	163.9	1.399	6.804	19.01	2.683	2.123	2.585	339.8
	4.500	162.1	1.320	7.475	19.81	2.867	2.190	2.762	337.6
	4.800	160.2	1.252	8.183	20.67	3.051	2.242	2.933	335.3
	5.000	158.9	1.212	8.676	21.26	3.173	2.273	3.047	333.7
	5.100	158.2	1.193	8.928	21.57	3.234	2.287	3.105	332.8
	5.300	156.7	1.159	9.445	22.20	3.356	2.315	3.221	331.0
	5.500	155.3	1.128	9.979	22.86	3.477	2.342	3.341	329.0
	6.000	151.3	1.061	11.39	24.61	3.781	2.408	3.652	323.4
	6.500	147.0	1.008	12.91	26.52	4.086	2.474	3.983	317.0
	7.000	142.3	0.9664	14.54	28.59	4.394	2.539	4.333	309.8
	8.000	132.1	0.9109	18.16	33.29	5.021	2.662	5.074	294.3
	9.000	120.9	0.8847	22.20	38.74	5.662	2.773	5.814	279.1
	10.00	109.3	0.8808	26.58	44.88	6.307	2.870	6.420	267.2
	12.00	88.17	0.9100	35.66	58.35	7.534	3.016	6.892	257.9
	15.00	66.33	0.9677	48.61	78.76	9.053	3.127	6.643	266.7
	20.00	47.04	1.023	68.00	110.5	10.88	3.180	6.101	295.2
	25.00	36.84	1.046	85.87	140.2	12.21	3.186	5.789	324.0
	30.00	30.47	1.053	103.0	168.6	13.25	3.181	5.609	350.6
	40.00	22.84	1.054	136.1	223.7	14.83	3.168	5.424	388.0
	50.00	18.35	1.050	168.4	277.4	16.03	3.157	5.336	439.8
	60.00	15.37	1.044	200.3	330.5	17.00	3.149	5.287	477.8
	80.00	11.62	1.036	263.6	435.7	18.51	3.139	5.239	545.4
	100.0	9.355	1.029	326.5	540.3	19.68	3.133	5.218	605.4
	120.0	7.832	1.025	389.1	644.5	20.63	3.129	5.208	659.8
	140.0	6.736	1.021	451.7	748.6	21.43	3.127	5.201	710.1
	160.0	5.910	1.018	514.2	852.6	22.13	3.125	5.198	757.1
	180.0	5.264	1.016	576.6	956.5	22.74	3.123	5.196	801.4
	200.0	4.746	1.014	639.0	1060.	23.29	3.122	5.194	843.3
	220.0	4.321	1.013	701.4	1164.	23.78	3.121	5.193	883.2
	240.0	3.965	1.012	763.7	1268.	24.23	3.121	5.193	921.5
	260.0	3.664	1.011	826.1	1372.	24.65	3.120	5.192	958.2
	280.0	3.405	1.010	888.4	1476.	25.03	3.120	5.192	993.6
	300.0	3.180	1.009	950.8	1580.	25.39	3.119	5.192	1028.
	350.0	2.730	1.008	1107.	1839.	26.19	3.119	5.191	1109.
	400.0	2.391	1.007	1262.	2099.	26.88	3.118	5.191	1184.
	500.0	1.916	1.005	1574.	2618.	28.04	3.118	5.191	1322.
	600.0	1.598	1.004	1886.	3137.	28.99	3.117	5.192	1447.
	700.0	1.371	1.003	2197.	3656.	29.79	3.117	5.192	1562.
	800.0	1.200	1.003	2509.	4175.	30.48	3.117	5.192	1669.
	900.0	1.067	1.003	2820.	4695.	31.09	3.117	5.192	1769.
	1000.	0.9606	1.002	3132.	5214.	31.64	3.116	5.192	1865.
	1100.	0.8735	1.002	3443.	5733.	32.14	3.116	5.192	1955.
	1200.	0.8009	1.002	3755.	6252.	32.59	3.116	5.192	2042.
	1300.	0.7394	1.002	4067.	6772.	33.00	3.116	5.192	2125.
	1400.	0.6867	1.002	4378.	7291.	33.39	3.116	5.192	2205.
	1500.	0.6410	1.001	4690.	7810.	33.75	3.116	5.192	2282.

PRESSURE = 2.000 [MPa]

TEMP [K]	$\left(\frac{T}{V} \frac{\partial V}{\partial T}\right)_P$	$\left(\frac{V}{C_V} \frac{\partial C_V}{\partial T}\right)_V$	$\left(\frac{P}{\rho} \frac{\partial \rho}{\partial P}\right)_T$	DIEL - 1	CONDUCT [W/m <sup>2</sup> K]	VISC [μPa·s]	THDIFF [m <sup>2</sup> /s]	FRANDTL
0.8000	-0.7149E-03	-1.473	0.1030	0.6654E-01				
1.000	-0.2264E-02	-1.328	0.1026	0.6656E-01				
1.200	-0.5437E-02	-1.055	0.1019	0.6661E-01				
1.400	-0.1316E-01	-0.9851	0.1017	0.6670E-01				
1.600	-0.3172E-01	-1.014	0.1042	0.6689E-01				
1.800	-0.7831E-01	-1.074	0.1129	0.6730E-01				
1.832	-0.9160E-01	-1.082	0.1155	0.6740E-01				
1.922	-0.1698	-1.125	0.1294	0.6780E-01				
1.931	-0.2233	-1.167	0.1379	0.6786E-01				
1.933	-0.1030	-0.9944	0.1197	0.6787E-01				
1.942	-0.4108E-01	-0.6854	0.1103	0.6789E-01				
2.032	0.7424E-02	0.2378	0.1036	0.6792E-01				
2.200	0.2593E-01	0.9624	0.1024	0.6782E-01				
2.400	0.3668E-01	1.202	0.1028	0.6762E-01				
2.700	0.4530E-01	1.376	0.1029	0.6727E-01				
3.000	0.5923E-01	1.500	0.1057	0.6690E-01				
3.300	0.7728E-01	1.483	0.1103	0.6646E-01				
3.600	0.9731E-01	1.478	0.1157	0.6595E-01	0.2391E-01	6.731	0.6610E-07	0.6102
3.800	0.1192	1.495	0.1218	0.6537E-01	0.2511E-01	6.537	0.6344E-07	0.6227
4.200	0.1430	1.521	0.1287	0.6473E-01	0.2618E-01	6.361	0.6180E-07	0.6281
4.500	0.1687	1.547	0.1365	0.6403E-01	0.2712E-01	6.196	0.6057E-07	0.6311
4.800	0.1963	1.568	0.1452	0.6326E-01	0.2793E-01	6.041	0.5945E-07	0.6342
5.000	0.2159	1.578	0.1516	0.6272E-01	0.2841E-01	5.941	0.5869E-07	0.6371
5.100	0.2260	1.581	0.1550	0.6244E-01	0.2863E-01	5.892	0.5830E-07	0.6389
5.300	0.2470	1.585	0.1621	0.6187E-01	0.2903E-01	5.796	0.5750E-07	0.6431
5.500	0.2691	1.585	0.1698	0.6127E-01	0.2939E-01	5.702	0.5666E-07	0.6482
6.000	0.3289	1.570	0.1916	0.5967E-01	0.3008E-01	5.477	0.5444E-07	0.6650
6.500	0.3965	1.539	0.2180	0.5794E-01	0.3052E-01	5.265	0.5214E-07	0.6871
7.000	0.4725	1.496	0.2498	0.5608E-01	0.3075E-01	5.065	0.4987E-07	0.7136
8.000	0.6518	1.390	0.3332	0.5199E-01	0.3074E-01	4.704	0.4585E-07	0.7766
9.000	0.8582	1.278	0.4451	0.4752E-01	0.3034E-01	4.402	0.4316E-07	0.8434
10.00	1.055	1.173	0.5734	0.4290E-01	0.2988E-01	4.169	0.4257E-07	0.8958
12.00	1.264	1.017	0.7794	0.3451E-01	0.2946E-01	3.921	0.4484E-07	0.9171
15.00	1.255	0.8957	0.9007	0.2590E-01	0.3021E-01	3.918	0.6856E-07	0.8615
20.00	1.134	0.8098	0.9364	0.1832E-01	0.3272E-01	4.245	0.1140E-06	0.7915
25.00	1.061	0.7697	0.9400	0.1433E-01	0.3557E-01	4.659	0.1668E-06	0.7584
30.00	1.022	0.7465	0.9417	0.1185E-01	0.3848E-01	5.079	0.2251E-06	0.7404
40.00	0.9875	0.7210	0.9466	0.8871E-02	0.4426E-01	5.879	0.3574E-06	0.7204
50.00	0.9754	0.7073	0.9522	0.7123E-02	0.4991E-01	6.620	0.5098E-06	0.7078
60.00	0.9713	0.6989	0.9574	0.5963E-02	0.5538E-01	7.312	0.6817E-06	0.6981
80.00	0.9710	0.6891	0.9657	0.4508E-02	0.6584E-01	8.593	0.1081E-05	0.6838
100.0	0.9735	0.6837	0.9717	0.3628E-02	0.7575E-01	9.781	0.1552E-05	0.6738
120.0	0.9764	0.6802	0.9761	0.3037E-02	0.8518E-01	10.91	0.2089E-05	0.6669
140.0	0.9789	0.6779	0.9795	0.2612E-02	0.9423E-01	12.00	0.2689E-05	0.6623
160.0	0.9811	0.6762	0.9821	0.2291E-02	0.1029	13.06	0.3351E-05	0.6594
180.0	0.9830	0.6750	0.9841	0.2041E-02	0.1113	14.09	0.4071E-05	0.6576
200.0	0.9846	0.6740	0.9858	0.1840E-02	0.1195	15.14	0.4848E-05	0.6581
220.0	0.9859	0.6732	0.9872	0.1675E-02	0.1274	16.16	0.5680E-05	0.6584
240.0	0.9871	0.6725	0.9884	0.1537E-02	0.1352	17.15	0.6565E-05	0.6587
260.0	0.9881	0.6720	0.9893	0.1420E-02	0.1427	18.11	0.7503E-05	0.6588
280.0	0.9890	0.6716	0.9902	0.1320E-02	0.1501	19.05	0.8492E-05	0.6590
300.0	0.9897	0.6712	0.9909	0.1233E-02	0.1574	19.97	0.9530E-05	0.6590
350.0	0.9913	0.6704	0.9924	0.1058E-02	0.1749	22.20	0.1234E-04	0.6592
400.0	0.9925	0.6699	0.9934	0.9267E-03	0.1917	24.34	0.1544E-04	0.6592
500.0	0.9941	0.6692	0.9949	0.7424E-03	0.2236	28.39	0.2248E-04	0.6592
600.0	0.9952	0.6687	0.9959	0.6192E-03	0.2536	32.20	0.3057E-04	0.6592
700.0	0.9960	0.6684	0.9966	0.5311E-03	0.2822	35.83	0.3966E-04	0.6592
800.0	0.9966	0.6681	0.9971	0.4650E-03	0.3097	39.31	0.4970E-04	0.6591
900.0	0.9970	0.6679	0.9974	0.4134E-03	0.3361	42.67	0.6067E-04	0.6591
1000.	0.9974	0.6678	0.9977	0.3722E-03	0.3617	45.91	0.7252E-04	0.6590
1100.	0.9976	0.6677	0.9980	0.3384E-03	0.3865	49.06	0.8523E-04	0.6590
1200.	0.9979	0.6676	0.9982	0.3103E-03	0.4107	52.13	0.9877E-04	0.6590
1300.	0.9981	0.6675	0.9983	0.2865E-03	0.4343	55.12	0.1131E-03	0.6590
1400.	0.9982	0.6674	0.9985	0.2660E-03	0.4574	58.05	0.1283E-03	0.6590
1500.	0.9984	0.6674	0.9986	0.2463E-03	0.4800	60.91	0.1442E-03	0.6590

PRESSURE = 2.200 [MPa]

	TEMP [K]	DENSITY [kg/m <sup>3</sup> ]	PV/RT [-]	ENERGY [J/g]	ENTHALPY [J/g]	ENTROPY [J/g·K]	C <sub>v</sub> [J/g·K]	C <sub>p</sub> [J/g·K]	V SOUND [m/s]
	0.8000	170.0	7.785	0.9229	13.86	0.9250E-02	0.7592E-01	0.7597E-01	347.7
	1.000	170.1	6.227	0.9524	13.89	0.3787E-01	0.2063	0.2068	348.8
	1.200	170.2	5.186	1.029	13.96	0.1000	0.5244	0.5271	350.2
	1.400	170.4	4.439	1.211	14.12	0.2254	1.172	1.189	350.9
	1.600	170.9	3.872	1.601	14.47	0.4573	2.349	2.444	348.8
	1.800	172.1	3.418	2.399	15.18	0.8723	4.502	5.006	341.1
1	1.802	172.2	3.415	2.409	15.19	0.8769	4.528	5.039	341.0
2	1.892	173.2	3.233	3.049	15.75	1.181	6.768	8.251	334.0
3	1.901	173.4	3.214	3.142	15.83	1.224	7.964	10.34	332.6
3	1.903	173.4	3.210	3.169	15.86	1.237	4.984	5.574	334.3
2	1.912	173.4	3.194	3.208	15.89	1.255	3.107	3.210	336.4
1	2.002	173.5	3.049	3.400	16.08	1.351	1.651	1.653	343.0
	2.200	173.2	2.779	3.666	16.37	1.488	1.328	1.364	350.3
	2.400	172.7	2.555	3.901	16.64	1.606	1.428	1.490	353.2
	2.700	171.9	2.282	4.305	17.11	1.793	1.358	1.439	357.0
	3.000	171.0	2.065	4.685	17.55	1.950	1.439	1.559	357.3
	3.300	170.0	1.888	5.118	18.06	2.112	1.670	1.850	355.3
	3.600	168.8	1.743	5.622	18.66	2.285	1.863	2.115	353.0
	3.900	167.4	1.622	6.185	19.33	2.463	2.000	2.335	350.9
	4.200	165.9	1.520	6.794	20.06	2.643	2.094	2.523	349.0
	4.500	164.3	1.433	7.444	20.84	2.823	2.163	2.694	347.1
	4.800	162.5	1.358	8.129	21.67	3.002	2.217	2.859	345.1
	5.000	161.2	1.314	8.606	22.25	3.121	2.248	2.968	343.6
	5.100	160.5	1.294	8.850	22.55	3.180	2.263	3.024	342.8
	5.300	159.2	1.255	9.349	23.17	3.299	2.292	3.135	341.2
	5.500	157.8	1.220	9.865	23.81	3.417	2.320	3.248	339.5
	6.000	154.1	1.146	11.22	25.50	3.712	2.389	3.542	334.5
	6.500	150.0	1.086	12.69	27.35	4.008	2.456	3.851	328.6
	7.000	145.7	1.039	14.26	29.36	4.305	2.523	4.174	322.1
	8.000	136.2	0.9717	17.72	33.87	4.906	2.649	4.848	307.7
	9.000	125.9	0.9345	21.58	39.06	5.516	2.761	5.523	293.3
	10.00	115.1	0.9198	25.78	44.89	6.130	2.857	6.114	281.1
	12.00	94.70	0.9320	34.63	57.86	7.312	3.004	6.727	268.8
	15.00	72.16	0.9785	47.57	78.06	8.814	3.124	6.639	273.6
	20.00	51.39	1.030	67.17	110.0	10.65	3.184	6.147	299.6
	25.00	40.27	1.052	85.22	139.9	11.99	3.191	5.830	327.5
	30.00	33.32	1.059	102.5	168.5	13.03	3.187	5.641	353.7
	40.00	24.99	1.060	135.7	223.8	14.63	3.173	5.443	400.7
	50.00	20.09	1.055	168.2	277.7	15.83	3.161	5.348	442.2
	60.00	16.83	1.049	200.2	330.9	16.80	3.152	5.296	480.0
	80.00	12.74	1.039	263.5	436.2	18.31	3.141	5.244	547.3
	100.0	10.26	1.032	326.4	540.8	19.48	3.135	5.221	607.0
	120.0	8.594	1.027	389.1	645.1	20.43	3.131	5.209	661.4
	140.0	7.394	1.023	451.7	749.2	21.23	3.128	5.202	711.5
	160.0	6.489	1.020	514.2	853.2	21.93	3.126	5.198	758.4
	180.0	5.781	1.018	576.6	957.2	22.54	3.124	5.196	802.6
	200.0	5.213	1.016	639.0	1061.	23.09	3.123	5.194	844.4
	220.0	4.747	1.014	701.4	1165.	23.58	3.122	5.193	884.3
	240.0	4.357	1.013	763.8	1269.	24.04	3.121	5.193	922.5
	260.0	4.026	1.012	826.2	1373.	24.45	3.121	5.192	959.1
	280.0	3.742	1.011	888.5	1476.	24.84	3.120	5.192	994.5
	300.0	3.495	1.010	950.9	1580.	25.19	3.120	5.191	1029.
	350.0	3.001	1.008	1107.	1840.	25.99	3.119	5.191	1109.
	400.0	2.629	1.007	1263.	2099.	26.69	3.118	5.191	1185.
	500.0	2.106	1.006	1574.	2619.	27.85	3.118	5.191	1322.
	600.0	1.757	1.005	1886.	3138.	28.79	3.117	5.191	1447.
	700.0	1.507	1.004	2197.	3657.	29.59	3.117	5.192	1562.
	800.0	1.320	1.003	2509.	4176.	30.29	3.117	5.192	1669.
	900.0	1.173	1.003	2820.	4695.	30.90	3.117	5.192	1770.
	1000.	1.056	1.002	3132.	5214.	31.44	3.117	5.192	1865.
	1100.	0.9607	1.002	3444.	5734.	31.94	3.116	5.192	1955.
	1200.	0.8808	1.002	3755.	6253.	32.39	3.116	5.192	2042.
	1300.	0.8132	1.002	4067.	6772.	32.81	3.116	5.192	2125.
	1400.	0.7552	1.002	4378.	7291.	33.19	3.116	5.192	2205.
	1500.	0.7050	1.002	4690.	7811.	33.55	3.116	5.192	2282.