

T (oC)	T (k)	Density (kg/m <sup>3</sup> )	Cp (J/kgK)	k (W/mk)	D	viscosity (kg/ms)	Pr
20	293	1.2040	1007	0.0251	1.825E-05	7.310E-01	
30	303	1.1640	1007	0.0259	1.872E-05	0.7282	
40	313	1.1270	1007	0.0266	1.918E-05	0.7255	
50	323	1.1020	1007	0.0274	1.963E-05	0.7228	
60	333	1.0590	1007	0.0281	2.008E-05	0.7202	
70	343	1.0280	1007	0.0288	2.052E-05	0.7177	
80	353	0.9994	1008	0.0295	2.096E-05	0.7154	
90	363	0.9718	1008	0.0302	2.139E-05	0.7132	
100	373	0.9458	1009	0.0310	2.181E-05	7.110E-01	
110	383	0.9218	1010	0.0324	2.215E-05	6.915E-01	
120	393	0.8984	1011	0.0324	2.264E-05	0.7073	
130	403	0.8761	1012	0.0338	2.298E-05	6.886E-01	
140	413	0.8549	1013	0.0337	2.345E-05	0.7041	
150	423	0.8347	1015	0.0352	2.378E-05	6.865E-01	
160	433	0.8154	1016	0.0351	2.420E-05	0.7014	
170	443	0.7970	1018	0.0365	2.457E-05	6.847E-01	
180	453	0.7794	1019	0.0365	2.504E-05	0.6992	
190	463	0.7626	1021	0.0379	2.533E-05	6.830E-01	
200	473	0.7464	1023	0.0378	2.577E-05	0.6974	
210	483	0.7310	1025	0.0392	2.608E-05	6.821E-01	
220	493	0.7162	1027	0.0398	2.645E-05	6.817E-01	
230	503	0.7019	1029	0.0405	2.681E-05	6.813E-01	
240	513	0.6882	1031	0.0411	2.717E-05	6.810E-01	
250	523	0.6751	1033	0.0410	2.760E-05	6.947E-01	
260	533	0.6624	1035	0.0424	2.788E-05	6.805E-01	
270	543	0.6502	1037	0.0430	2.823E-05	6.803E-01	
280	553	0.6385	1039	0.0437	2.858E-05	6.801E-01	
290	563	0.6271	1042	0.0443	2.892E-05	6.806E-01	
300	573	0.6158	1044	0.04418	5.934E-05	0.6935	
350	623	0.5664	1056	0.04721	3.101E-05	0.6937	
400	673	0.5243	1069	0.05015	3.261E-05	0.6948	
450	723	0.4880	1081	0.05298	3.415E-05	0.6965	
500	773	0.4565	1093	0.05572	3.563E-05	0.6986	
600	873	0.4042	1115	0.06093	3.846E-05	0.7037	
700	973	0.3627	1135	0.06581	4.111E-05	0.7092	
800	1073	0.3289	1153	0.07037	4.362E-05	0.7149	
900	1173	0.3008	1169	0.07465	4.600E-05	0.7206	
1000	1273	0.2772	1184	0.07868	4.826E-05	0.726	

Sutherland's law	
C1	1.46E-06
C2	110.4