

TEMP.	DENSITY	ENTHALPY	INTERNAL ENERGY	ENTROPY	TEMP.	DENSITY	ENTHALPY	INTERNAL ENERGY	ENTROPY	TEMP.	DENSITY	ENTHALPY	INTERNAL ENERGY	ENTROPY
K	MOL/LITER	J/MOL	J/MOL	J/MOL-K	K	MOL/LITER	J/MOL	J/MOL	J/MOL-K	K	MOL/LITER	J/MOL	J/MOL	J/MOL-K
91	35.0831	3320.0	3031.2	55.29	101	33.6081	3470.8	60.00	101	33.6081	3470.8	60.00	101	33.6081
92	34.9398	3364.7	3074.7	55.78	102	33.4557	3818.0	60.45	102	33.4557	3818.0	60.45	102	33.4557
93	34.7955	3409.6	3118.4	56.26	103	33.3024	3863.8	60.90	103	33.3024	3863.8	60.90	103	33.3024
94	34.6502	3454.5	3162.1	56.74	104	33.1482	3909.5	61.34	104	33.1482	3909.5	61.34	104	33.1482
95	34.5040	3499.7	3206.0	57.22	105	32.9931	3955.4	61.78	105	32.9931	3955.4	61.78	105	32.9931
96	34.3569	3544.9	3249.9	57.69	106	32.8371	4001.2	62.21	106	32.8371	4001.2	62.21	106	32.8371
97	34.2089	3590.2	3294.0	58.16	107	32.6802	4047.1	62.65	107	32.6802	4047.1	62.65	107	32.6802
98	34.0600	3635.6	3338.1	58.63	108	32.5222	4093.0	63.07	108	32.5222	4093.0	63.07	108	32.5222
99	33.9103	3681.1	3382.3	59.09	109	32.3633	4138.9	63.50	109	32.3633	4138.9	63.50	109	32.3633
100	33.7596	3726.7	3426.5	59.55	110	32.2033	4184.8	63.91	110	32.2033	4184.8	63.91	110	32.2033
101	33.6081	3772.3	3470.8	60.00	111	32.0423	4230.7	64.33	111	32.0423	4230.7	64.33	111	32.0423
112	31.8803	4276.6	3958.8	64.74	122	30.1907	4737.4	68.68	122	30.1907	4737.4	68.68	122	30.1907
123	30.0137	4783.8	4446.2	69.06	123	29.0137	4833.8	69.06	123	29.0137	4833.8	69.06	123	29.0137
124	29.6545	4830.4	4490.8	69.44	124	29.8350	4830.4	69.44	124	29.8350	4830.4	69.44	124	29.8350
125	29.4722	4877.1	4535.4	69.81	125	29.6545	4877.1	69.81	125	29.6545	4877.1	69.81	125	29.6545
126	29.2879	4924.0	4580.1	70.19	126	29.4722	4924.0	70.19	126	29.4722	4924.0	70.19	126	29.4722
127	29.1016	4971.0	4625.1	70.56	127	29.2879	4971.0	70.56	127	29.2879	4971.0	70.56	127	29.2879
128	28.9132	5018.3	4670.2	70.93	128	29.1016	5018.3	70.93	128	29.1016	5018.3	70.93	128	29.1016
129	28.7225	5065.9	4715.5	71.30	129	28.9132	5065.9	71.30	129	28.9132	5065.9	71.30	129	28.9132
130	28.5294	5113.8	4761.1	71.67	130	28.7225	5113.8	71.67	130	28.7225	5113.8	71.67	130	28.7225
131	28.3339	5162.1	4806.9	72.04	131	28.5294	5162.1	72.04	131	28.5294	5162.1	72.04	131	28.5294
132	28.1358	5210.8	4853.1	72.41	132	28.3339	5210.8	72.41	132	28.3339	5210.8	72.41	132	28.3339
133	27.9350	5259.9	4899.7	72.78	133	28.1358	5259.9	72.78	133	28.1358	5259.9	72.78	133	28.1358
134	27.7313	5309.5	4946.8	73.15	134	27.9350	5309.5	73.15	134	27.9350	5309.5	73.15	134	27.9350
135	27.5246	5359.7	4994.3	73.53	135	27.7313	5359.7	73.53	135	27.7313	5359.7	73.53	135	27.7313
136	27.3147	5410.1	5041.9	73.90	136	27.5246	5410.1	73.90	136	27.5246	5410.1	73.90	136	27.5246
137	27.1014	5460.8	5089.8	74.27	137	27.3147	5460.8	74.27	137	27.3147	5460.8	74.27	137	27.3147
138	26.8846	5511.9	5138.0	74.64	138	27.1014	5511.9	74.64	138	27.1014	5511.9	74.64	138	27.1014
139	26.6641	5563.5	5186.6	75.01	139	26.8846	5563.5	75.01	139	26.8846	5563.5	75.01	139	26.8846
140	26.4395	5615.4	5235.3	75.39	140	26.6641	5615.4	75.39	140	26.6641	5615.4	75.39	140	26.6641
141	26.2108	5667.7	5284.4	75.76	141	26.4395	5667.7	75.76	141	26.4395	5667.7	75.76	141	26.4395
142	25.9776	5720.5	5333.9	76.13	142	26.2108	5720.5	76.13	142	26.2108	5720.5	76.13	142	26.2108
143	25.7397	5773.9	5383.8	76.51	143	25.9776	5773.9	76.51	143	25.9776	5773.9	76.51	143	25.9776
144	25.4967	5828.0	5434.3	76.89	144	25.7397	5828.0	76.89	144	25.7397	5828.0	76.89	144	25.7397
145	25.2484	5882.9	5485.5	77.27	145	25.4967	5882.9	77.27	145	25.4967	5882.9	77.27	145	25.4967
146	25.0044	5938.7	5537.3	77.65	146	25.2484	5938.7	77.65	146	25.2484	5938.7	77.65	146	25.2484
147	24.7544	5995.4	5590.0	78.04	147	25.0044	5995.4	78.04	147	25.0044	5995.4	78.04	147	25.0044
148	24.5083	6053.1	5643.4	78.43	148	24.7544	6053.1	78.43	148	24.7544	6053.1	78.43	148	24.7544
149	24.2667	6111.7	5697.6	78.83	149	24.5083	6111.7	78.83	149	24.5083	6111.7	78.83	149	24.5083
150	24.0291	6171.5	5752.7	79.23	150	24.2667	6171.5	79.23	150	24.2667	6171.5	79.23	150	24.2667
151	23.7913	6232.8	5809.1	79.64	151	24.0291	6232.8	79.64	151	24.0291	6232.8	79.64	151	24.0291
152	23.6243	6295.8	5866.9	80.06	152	23.7913	6295.8	80.06	152	23.7913	6295.8	80.06	152	23.7913
153	23.3269	6360.2	5925.8	80.48	153	23.6243	6360.2	80.48	153	23.6243	6360.2	80.48	153	23.6243
154	23.0205	6426.0	5985.8	80.91	154	23.3269	6426.0	80.91	154	23.3269	6426.0	80.91	154	23.3269
155	22.7043	6493.3	6047.1	81.35	155	23.0205	6493.3	81.35	155	23.0205	6493.3	81.35	155	23.0205
156	22.3777	6562.4	6109.6	81.79	156	22.7043	6562.4	81.79	156	22.7043	6562.4	81.79	156	22.7043
157	22.0401	6633.2	6173.5	82.24	157	22.3777	6633.2	82.24	157	22.3777	6633.2	82.24	157	22.3777
158	21.6908	6706.0	6238.8	82.71	158	22.0401	6706.0	82.71	158	22.0401	6706.0	82.71	158	22.0401
159	21.3291	6780.8	6305.7	83.18	159	21.6908	6780.8	83.18	159	21.6908	6780.8	83.18	159	21.6908
160	20.9544	6857.8	6374.2	83.66	160	21.3291	6857.8	83.66	160	21.3291	6857.8	83.66	160	21.3291

\* PHASE CHANGE

## 100.00 ATMOSPHERE ISOBAR

TEMP. K	DENSITY MOL/LITER	ENTHALPY J/MOL	INTERNAL ENERGY J/MOL	ENTROPY J/MOL-K	TEMP. K	DENSITY MOL/LITER	ENTHALPY J/MOL	INTERNAL ENERGY J/MOL	ENTROPY J/MOL-K
161	20.5663	6937.1	6444.4	84.15	231	6.27532	11207.6	9592.9	106.98
162	20.1644	7018.8	6516.3	84.66	232	6.22691	11241.7	9614.4	107.13
163	19.7487	7103.0	6589.9	85.18	233	6.17949	11275.5	9635.8	107.28
164	19.3197	7189.7	6665.2	85.71	234	6.13304	11309.1	9657.0	107.42
165	18.8780	7278.8	6742.1	86.25	235	6.08751	11342.5	9678.0	107.56
166	18.4252	7370.4	6820.4	86.80	236	6.04288	11375.6	9698.8	107.70
167	17.9632	7464.0	6899.9	87.37	237	5.99911	11408.5	9719.5	107.84
168	17.4948	7559.6	6980.4	87.94	238	5.95617	11441.2	9740.0	107.98
169	17.0233	7656.5	7061.3	88.51	239	5.91405	11473.7	9760.4	108.12
170	16.5522	7754.5	7142.3	89.09	240	5.87270	11506.0	9780.6	108.25
171	16.0854	7852.8	7222.9	89.67	241	5.83212	11538.1	9800.7	108.38
172	15.6265	7951.1	7302.7	90.24	242	5.79226	11570.0	9820.6	108.52
173	15.1788	8048.8	7381.3	90.81	243	5.75312	11601.7	9840.4	108.65
174	14.7451	8145.4	7458.2	91.36	244	5.71467	11633.2	9860.1	108.78
175	14.3273	8240.5	7533.3	91.91	245	5.67688	11664.6	9879.7	108.91
176	13.9271	8333.8	7606.2	92.44	246	5.63975	11695.8	9899.1	109.03
177	13.5452	8425.0	7676.9	92.96	247	5.60324	11726.8	9918.4	109.16
178	13.1820	8514.0	7745.3	93.46	248	5.56734	11757.6	9937.6	109.28
179	12.8374	8600.6	7811.3	93.94	249	5.53204	11788.3	9956.7	109.41
180	12.5111	8684.8	7874.9	94.41	250	5.49731	11818.9	9975.6	109.53
181	12.2024	8766.6	7936.2	94.86	251	5.46314	11849.3	9994.5	109.65
182	11.9106	8846.0	7995.3	95.30	252	5.42952	11879.5	10013.3	109.77
183	11.6347	8923.1	8052.2	95.72	253	5.39643	11909.6	10031.9	109.89
184	11.3739	8997.9	8107.0	96.13	254	5.36385	11939.6	10050.5	110.01
185	11.1273	9070.5	8159.8	96.53	255	5.33178	11969.4	10069.0	110.12
186	10.8939	9141.0	8210.8	96.91	256	5.30019	11999.1	10087.3	110.24
187	10.6728	9209.4	8260.0	97.27	257	5.26908	12028.7	10105.6	110.36
188	10.4632	9276.0	8307.6	97.63	258	5.23843	12058.1	10123.8	110.47
189	10.2643	9340.8	8353.6	97.97	259	5.20824	12087.4	10141.9	110.58
190	10.0753	9403.8	8398.1	98.30	260	5.17848	12116.6	10159.9	110.70
191	9.89564	9465.2	8441.2	98.63	261	5.14916	12145.7	10177.9	110.81
192	9.72448	9525.1	8483.1	98.94	262	5.12025	12174.7	10195.7	110.92
193	9.56130	9583.5	8523.7	99.24	263	5.09175	12203.5	10213.5	111.03
194	9.40555	9640.5	8563.2	99.54	264	5.06365	12232.3	10231.2	111.14
195	9.25672	9696.2	8601.6	99.82	265	5.03594	12260.9	10248.8	111.25
196	9.11434	9750.7	8639.0	100.10	266	5.00861	12289.4	10266.4	111.35
197	8.97799	9804.1	8675.4	100.37	267	4.98165	12317.9	10283.9	111.46
198	8.84726	9856.3	8711.0	100.64	268	4.95505	12346.2	10301.3	111.57
199	8.72180	9907.5	8745.7	100.90	269	4.92880	12374.4	10318.6	111.67
200	8.60127	9957.7	8779.6	101.15	270	4.90291	12402.6	10335.9	111.78
201	8.48536	10006.9	8812.8	101.39	271	4.87735	12430.6	10353.1	111.88
202	8.37379	10055.3	8845.2	101.63	272	4.85212	12458.5	10370.2	111.98
203	8.26630	10102.8	8877.0	101.87	273	4.82721	12486.4	10387.3	112.08
204	8.16265	10149.5	8908.2	102.10	274	4.80262	12514.2	10404.3	112.19
205	8.06261	10195.5	8938.7	102.32	275	4.77834	12541.8	10421.3	112.29
206	7.96597	10240.7	8968.7	102.54	276	4.75436	12569.4	10438.2	112.39
207	7.87256	10285.3	8998.2	102.76	277	4.73068	12597.0	10455.0	112.49
208	7.78219	10329.1	9027.1	102.97	278	4.70728	12624.4	10471.8	112.59
209	7.69470	10372.4	9055.5	103.18	279	4.68418	12651.7	10488.5	112.68
210	7.60993	10415.0	9083.5	103.38	280	4.66135	12679.0	10505.2	112.78
211	7.52776	10457.1	9111.0	103.58	281	4.63879	12706.2	10521.8	112.88
212	7.44803	10498.6	9138.1	103.78	282	4.61650	12733.3	10538.4	112.97
213	7.37064	10539.6	9164.8	103.97	283	4.59447	12760.4	10554.9	113.07
214	7.29547	10580.1	9191.2	104.16	284	4.57269	12787.3	10571.4	113.17
215	7.22241	10620.1	9217.1	104.35	285	4.55117	12814.2	10587.8	113.26
216	7.15136	10659.6	9242.7	104.53	286	4.52990	12841.0	10604.2	113.35
217	7.08223	10698.7	9268.0	104.71	287	4.50886	12867.8	10620.5	113.45
218	7.01493	10737.4	9292.9	104.89	288	4.48806	12894.5	10636.8	113.54
219	6.94938	10775.6	9317.6	105.06	289	4.46750	12921.1	10653.0	113.63
220	6.88551	10813.5	9341.9	105.24	290	4.44716	12947.7	10669.2	113.72
221	6.82323	10851.0	9365.9	105.41	291	4.42705	12974.2	10685.3	113.82
222	6.76249	10888.1	9389.7	105.57	292	4.40715	13000.6	10701.4	113.91
223	6.70322	10924.8	9413.2	105.74	293	4.38747	13027.0	10717.5	114.00
224	6.64535	10961.3	9436.5	105.90	294	4.36801	13053.3	10733.5	114.09
225	6.58884	10997.4	9459.5	106.06	295	4.34875	13079.5	10749.5	114.18
226	6.53362	11033.1	9482.3	106.22	296	4.32969	13105.7	10765.4	114.26
227	6.47965	11068.6	9504.8	106.38	297	4.31083	13131.8	10781.3	114.35
228	6.42688	11103.8	9527.1	106.53	298	4.29217	13157.9	10797.2	114.44
229	6.37526	11138.7	9549.3	106.68	299	4.27371	13183.9	10813.0	114.53
230	6.32475	11173.3	9571.2	106.83	300	4.25543	13209.9	10828.8	114.61