0.10 ATMOSPHERE ISOBAR

| TEMP. K | DENSITY MOL/LITER | ENTHALPY J/MOL | INTERNAL ENERGY J/MOL | ENTROPY J/MOL-K |
|---|---|---|---|---|
| 86 | 0.0142180 | 9472.1 | 8759.4 | 147.97 |
| 87 | 0.0140532 | 9493.0 | 8772.0 | 148.21 |
| 88 | 0.0138922 | 9513.9 | 8784.5 | 148.45 |
| 89 | 0.0137348 | 9534.7 | 8797.0 | 148.69 |
| 90 | 0.0135810 | 9555.6 | 8809.5 | 148.92 |
| 91 | 0.0134306 | 9576.5 | 8822.0 | 149.15 |
| 92 | 0.0132835 | 9597.4 | 8834.6 | 149.38 |
| 93 | 0.0131397 | 9618.2 | 8847.1 | 149.61 |
| 94 | 0.0129989 | 9639.1 | 8859.6 | 149.83 |
| 95 | 0.0128611 | 9660.0 | 8872.1 | 150.05 |
| 96 | 0.0127262 | 9680.8 | 8884.6 | 150.27 |
| 97 | 0.0125942 | 9701.7 | 8897.1 | 150.48 |
| 98 | 0.0124649 | 9722.6 | 8909.7 | 150.70 |
| 99 | 0.0123382 | 9743.4 | 8922.2 | 150.91 |
| 100 | 0.0122140 | 9764.3 | 8934.7 | 151.12 |
| 101 | 0.0120924 | 9785.2 | 8947.2 | 151.33 |
| 102 | 0.0119732 | 9806.0 | 8959.7 | 151.53 |
| 103 | 0.0118563 | 9826.9 | 8972.2 | 151.74 |
| 104 | 0.0117416 | 9847.7 | 8984.8 | 151.94 |
| 105 | 0.0116292 | 9868.6 | 8997.3 | 152.14 |
| 106 | 0.0115189 | 9889.4 | 9009.8 | 152.33 |
| 107 | 0.0114107 | 9910.3 | 9022.3 | 152.53 |
| 108 | 0.0113045 | 9931.1 | 9034.8 | 152.72 |
| 109 | 0.0112003 | 9952.0 | 9047.3 | 152.92 |
| 110 | 0.0110980 | 9972.8 | 9059.8 | 153.11 |
| 111 | 0.0109976 | 9993.7 | 9072.3 | 153.30 |
| 112 | 0.0108989 | 10014.5 | 9084.8 | 153.48 |
| 113 | 0.0108021 | 10035.4 | 9097.3 | 153.67 |
| 114 | 0.0107069 | 10056.2 | 9109.9 | 153.85 |
| 115 | 0.0106134 | 10077.1 | 9122.4 | 154.03 |
| 116 | 0.0105215 | 10097.9 | 9134.9 | 154.21 |
| 117 | 0.0104312 | 10118.8 | 9147.4 | 154.39 |
| 118 | 0.0103425 | 10139.6 | 9159.9 | 154.57 |
| 119 | 0.0102552 | 10160.4 | 9172.4 | 154.75 |
| 120 | 0.0101695 | 10181.3 | 9184.9 | 154.92 |
| 121 | 0.0100851 | 10202.1 | 9197.4 | 155.09 |
| 122 | 0.0100021 | 10222.9 | 9209.9 | 155.26 |
| 123 | 0.0099205 | 10243.8 | 9222.4 | 155.44 |
| 124 | 0.0098402 | 10264.6 | 9234.9 | 155.60 |
| 125 | 0.0097613 | 10285.4 | 9247.4 | 155.77 |
| 126 | 0.0096835 | 10306.3 | 9259.9 | 155.94 |
| 127 | 0.0096070 | 10327.1 | 9272.4 | 156.10 |
| 128 | 0.0095317 | 10347.9 | 9284.9 | 156.27 |
| 129 | 0.0094576 | 10368.8 | 9297.4 | 156.43 |
| 130 | 0.0093847 | 10389.6 | 9309.9 | 156.59 |
| 131 | 0.0093128 | 10410.4 | 9322.4 | 156.75 |
| 132 | 0.0092420 | 10431.2 | 9334.9 | 156.91 |
| 133 | 0.0091724 | 10452.1 | 9347.4 | 157.06 |
| 134 | 0.0091037 | 10472.9 | 9359.9 | 157.22 |
| 135 | 0.0090361 | 10493.7 | 9372.4 | 157.37 |
| 136 | 0.0089695 | 10514.5 | 9384.9 | 157.53 |
| 137 | 0.0089038 | 10535.4 | 9397.3 | 157.68 |
| 138 | 0.0088391 | 10556.2 | 9409.8 | 157.83 |
| 139 | 0.0087754 | 10577.0 | 9422.3 | 157.98 |
| 140 | 0.0087125 | 10597.8 | 9434.8 | 158.13 |
| 141 | 0.0086506 | 10618.7 | 9447.3 | 158.28 |
| 142 | 0.0085895 | 10639.5 | 9459.8 | 158.43 |
| 143 | 0.0085293 | 10660.3 | 9472.3 | 158.57 |
| 144 | 0.0084700 | 10681.1 | 9484.8 | 158.72 |
| 145 | 0.0084114 | 10701.9 | 9497.3 | 158.86 |
| 146 | 0.0083537 | 10722.8 | 9509.8 | 159.00 |
| 147 | 0.0082967 | 10743.6 | 9522.3 | 159.15 |
| 148 | 0.0082405 | 10764.4 | 9534.8 | 159.29 |
| 149 | 0.0081851 | 10785.2 | 9547.2 | 159.43 |
| 150 | 0.0081304 | 10806.0 | 9559.7 | 159.57 |
| 151 | 0.0080765 | 10826.8 | 9572.2 | 159.71 |
| 152 | 0.0080232 | 10847.6 | 9584.7 | 159.84 |
| 153 | 0.0079707 | 10868.5 | 9597.2 | 159.98 |
| 154 | 0.0079189 | 10889.3 | 9609.7 | 160.12 |
| 155 | 0.0078677 | 10910.1 | 9622.2 | 160.25 |
| 156 | 0.0078171 | 10930.9 | 9634.7 | 160.38 |
| 157 | 0.0077673 | 10951.7 | 9647.2 | 160.52 |
| 158 | 0.0077180 | 10972.5 | 9659.6 | 160.65 |
| 159 | 0.0076694 | 10993.3 | 9672.1 | 160.78 |
| 160 | 0.0076214 | 11014.1 | 9684.6 | 160.91 |

0.10 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 | 0.0075739 | 11035.0 | 9697.1 | 161.04 | 231 | 0.0052768 | 12491.0 | 10570.8 | 168.55 |
| 162 | 0.0075271 | 11055.8 | 9709.6 | 161.17 | 232 | 0.0052540 | 12511.8 | 10583.2 | 168.64 |
| 163 | 0.0074809 | 11076.6 | 9722.1 | 161.30 | 233 | 0.0052314 | 12532.6 | 10595.7 | 168.73 |
| 164 | 0.0074352 | 11097.4 | 9734.6 | 161.42 | 234 | 0.0052091 | 12553.4 | 10608.2 | 168.82 |
| 165 | 0.0073900 | 11118.2 | 9747.0 | 161.55 | 235 | 0.0051869 | 12574.2 | 10620.7 | 168.91 |
| 166 | 0.0073455 | 11139.0 | 9759.5 | 161.68 | 236 | 0.0051649 | 12595.0 | 10633.1 | 169.00 |
| 167 | 0.0073014 | 11159.8 | 9772.0 | 161.80 | 237 | 0.0051431 | 12615.8 | 10645.6 | 169.08 |
| 168 | 0.0072579 | 11180.6 | 9784.5 | 161.93 | 238 | 0.0051215 | 12636.6 | 10658.1 | 169.17 |
| 169 | 0.0072149 | 11201.4 | 9797.0 | 162.05 | 239 | 0.0051000 | 12657.4 | 10670.6 | 169.26 |
| 170 | 0.0071724 | 11222.2 | 9809.5 | 162.17 | 240 | 0.0050788 | 12678.2 | 10683.0 | 169.34 |
| 171 | 0.0071304 | 11243.0 | 9822.0 | 162.29 | 241 | 0.0050577 | 12699.0 | 10695.5 | 169.43 |
| 172 | 0.0070888 | 11263.8 | 9834.4 | 162.42 | 242 | 0.0050368 | 12719.8 | 10708.0 | 169.52 |
| 173 | 0.0070478 | 11284.6 | 9846.9 | 162.54 | 243 | 0.0050160 | 12740.6 | 10720.5 | 169.60 |
| 174 | 0.0070072 | 11305.5 | 9859.4 | 162.66 | 244 | 0.0049955 | 12761.3 | 10733.0 | 169.69 |
| 175 | 0.0069672 | 11326.3 | 9871.9 | 162.78 | 245 | 0.0049751 | 12782.1 | 10745.4 | 169.77 |
| 176 | 0.0069275 | 11347.1 | 9884.4 | 162.89 | 246 | 0.0049548 | 12802.9 | 10757.9 | 169.86 |
| 177 | 0.0068883 | 11367.9 | 9896.9 | 163.01 | 247 | 0.0049348 | 12823.7 | 10770.4 | 169.94 |
| 178 | 0.0068496 | 11388.7 | 9909.3 | 163.13 | 248 | 0.0049149 | 12844.5 | 10782.9 | 170.03 |
| 179 | 0.0068113 | 11409.5 | 9921.8 | 163.25 | 249 | 0.0048951 | 12865.3 | 10795.3 | 170.11 |
| 180 | 0.0067734 | 11430.3 | 9934.3 | 163.36 | 250 | 0.0048755 | 12886.1 | 10807.8 | 170.19 |
| 181 | 0.0067359 | 11451.1 | 9946.8 | 163.48 | 251 | 0.0048561 | 12906.9 | 10820.3 | 170.28 |
| 182 | 0.0066988 | 11471.9 | 9959.3 | 163.59 | 252 | 0.0048368 | 12927.7 | 10832.8 | 170.36 |
| 183 | 0.0066622 | 11492.7 | 9971.8 | 163.71 | 253 | 0.0048177 | 12948.5 | 10845.2 | 170.44 |
| 184 | 0.0066259 | 11513.5 | 9984.2 | 163.82 | 254 | 0.0047987 | 12969.3 | 10857.7 | 170.52 |
| 185 | 0.0065901 | 11534.3 | 9996.7 | 163.93 | 255 | 0.0047799 | 12990.1 | 10870.2 | 170.61 |
| 186 | 0.0065546 | 11555.1 | 10009.2 | 164.04 | 256 | 0.0047612 | 13010.9 | 10882.7 | 170.69 |
| 187 | 0.0065195 | 11575.9 | 10021.7 | 164.16 | 257 | 0.0047427 | 13031.7 | 10895.1 | 170.77 |
| 188 | 0.0064848 | 11596.7 | 10034.2 | 164.27 | 258 | 0.0047243 | 13052.5 | 10907.6 | 170.85 |
| 189 | 0.0064505 | 11617.5 | 10046.6 | 164.38 | 259 | 0.0047060 | 13073.2 | 10920.1 | 170.93 |
| 190 | 0.0064165 | 11638.3 | 10059.1 | 164.49 | 260 | 0.0046879 | 13094.0 | 10932.6 | 171.01 |
| 191 | 0.0063828 | 11659.1 | 10071.6 | 164.60 | 261 | 0.0046699 | 13114.8 | 10945.0 | 171.09 |
| 192 | 0.0063496 | 11679.9 | 10084.1 | 164.70 | 262 | 0.0046521 | 13135.6 | 10957.5 | 171.17 |
| 193 | 0.0063166 | 11700.7 | 10096.6 | 164.81 | 263 | 0.0046344 | 13156.4 | 10970.0 | 171.25 |
| 194 | 0.0062840 | 11721.5 | 10109.0 | 164.92 | 264 | 0.0046168 | 13177.2 | 10982.5 | 171.33 |
| 195 | 0.0062518 | 11742.3 | 10121.5 | 165.03 | 265 | 0.0045994 | 13198.0 | 10994.9 | 171.41 |
| 196 | 0.0062199 | 11763.1 | 10134.0 | 165.13 | 266 | 0.0045821 | 13218.8 | 11007.4 | 171.48 |
| 197 | 0.0061882 | 11783.9 | 10146.5 | 165.24 | 267 | 0.0045650 | 13239.6 | 11019.9 | 171.56 |
| 198 | 0.0061570 | 11804.7 | 10159.0 | 165.34 | 268 | 0.0045479 | 13260.4 | 11032.4 | 171.64 |
| 199 | 0.0061260 | 11825.5 | 10171.4 | 165.45 | 269 | 0.0045310 | 13281.2 | 11044.8 | 171.72 |
| 200 | 0.0060953 | 11846.3 | 10183.9 | 165.55 | 270 | 0.0045142 | 13302.0 | 11057.3 | 171.79 |
| 201 | 0.0060650 | 11867.1 | 10196.4 | 165.66 | 271 | 0.0044975 | 13322.8 | 11069.8 | 171.87 |
| 202 | 0.0060349 | 11887.9 | 10208.9 | 165.76 | 272 | 0.0044810 | 13343.5 | 11082.3 | 171.95 |
| 203 | 0.0060052 | 11908.7 | 10221.4 | 165.86 | 273 | 0.0044646 | 13364.3 | 11094.7 | 172.02 |
| 204 | 0.0059757 | 11929.5 | 10233.8 | 165.97 | 274 | 0.0044483 | 13385.1 | 11107.2 | 172.10 |
| 205 | 0.0059465 | 11950.3 | 10246.3 | 166.07 | 275 | 0.0044321 | 13405.9 | 11119.7 | 172.18 |
| 206 | 0.0059176 | 11971.1 | 10258.8 | 166.17 | 276 | 0.0044160 | 13426.7 | 11132.2 | 172.25 |
| 207 | 0.0058890 | 11991.9 | 10271.3 | 166.27 | 277 | 0.0044001 | 13447.5 | 11144.6 | 172.33 |
| 208 | 0.0058607 | 12012.7 | 10283.8 | 166.37 | 278 | 0.0043843 | 13468.3 | 11157.1 | 172.40 |
| 209 | 0.0058326 | 12033.5 | 10296.2 | 166.47 | 279 | 0.0043685 | 13489.1 | 11169.6 | 172.48 |
| 210 | 0.0058048 | 12054.3 | 10308.7 | 166.57 | 280 | 0.0043529 | 13509.9 | 11182.1 | 172.55 |
| 211 | 0.0057773 | 12075.1 | 10321.2 | 166.67 | 281 | 0.0043374 | 13530.7 | 11194.5 | 172.62 |
| 212 | 0.0057500 | 12095.9 | 10333.7 | 166.77 | 282 | 0.0043220 | 13551.5 | 11207.0 | 172.70 |
| 213 | 0.0057230 | 12116.7 | 10346.2 | 166.86 | 283 | 0.0043068 | 13572.3 | 11219.5 | 172.77 |
| 214 | 0.0056962 | 12137.5 | 10358.6 | 166.96 | 284 | 0.0042916 | 13593.0 | 11232.0 | 172.84 |
| 215 | 0.0056697 | 12158.3 | 10371.1 | 167.06 | 285 | 0.0042765 | 13613.8 | 11244.4 | 172.92 |
| 216 | 0.0056435 | 12179.1 | 10383.6 | 167.15 | 286 | 0.0042616 | 13634.6 | 11256.9 | 172.99 |
| 217 | 0.0056174 | 12199.9 | 10396.1 | 167.25 | 287 | 0.0042467 | 13655.4 | 11269.4 | 173.06 |
| 218 | 0.0055917 | 12220.7 | 10408.5 | 167.35 | 288 | 0.0042320 | 13676.2 | 11281.9 | 173.14 |
| 219 | 0.0055661 | 12241.5 | 10421.0 | 167.44 | 289 | 0.0042173 | 13697.0 | 11294.3 | 173.21 |
| 220 | 0.0055408 | 12262.3 | 10433.5 | 167.54 | 290 | 0.0042028 | 13717.8 | 11306.8 | 173.28 |
| 221 | 0.0055157 | 12283.1 | 10446.0 | 167.63 | 291 | 0.0041883 | 13738.6 | 11319.3 | 173.35 |
| 222 | 0.0054908 | 12303.9 | 10458.5 | 167.72 | 292 | 0.0041740 | 13759.4 | 11331.8 | 173.42 |
| 223 | 0.0054662 | 12324.7 | 10470.9 | 167.82 | 293 | 0.0041597 | 13780.2 | 11344.2 | 173.49 |
| 224 | 0.0054418 | 12345.4 | 10483.4 | 167.91 | 294 | 0.0041456 | 13801.0 | 11356.7 | 173.56 |
| 225 | 0.0054176 | 12366.2 | 10495.9 | 168.00 | 295 | 0.0041315 | 13821.7 | 11369.2 | 173.64 |
| 226 | 0.0053936 | 12387.0 | 10508.4 | 168.09 | 296 | 0.0041176 | 13842.5 | 11381.7 | 173.71 |
| 227 | 0.0053698 | 12407.8 | 10520.8 | 168.19 | 297 | 0.0041037 | 13863.3 | 11394.1 | 173.78 |
| 228 | 0.0053462 | 12428.6 | 10533.3 | 168.28 | 298 | 0.0040899 | 13884.1 | 11406.6 | 173.85 |
| 229 | 0.0053229 | 12449.4 | 10545.8 | 168.37 | 299 | 0.0040762 | 13904.9 | 11419.1 | 173.92 |
| 230 | 0.0052997 | 12470.2 | 10558.3 | 168.46 | 300 | 0.0040626 | 13925.7 | 11431.6 | 173.98 |