# Triatherm 550LP Engineering Properties*

| Temperature | | Viscosity | | Density | | Specific Heat | | Thermal Conductivity | | Vapor Pressure | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| ºF | ºC | cP | cSt | lb/ft3 | kg/m3 | BTU/lb-ºF | J/g-K | BTU/ft-hr-ºF | W/m-K | psia | kg/cm2 |
| -35 | -37 | 1725.44 | 2029.93 | 67.3 | 1077.3 | 0.33 | 1.38 | 0.0768 | 0.133 | - | - |
| 0 | -18 | 276.93 | 325.80 | 66.4 | 1064.0 | 0.35 | 1.45 | 0.0780 | 0.135 | - | - |
| 10 | -12 | 180.39 | 212.23 | 66.2 | 1060.1 | 0.35 | 1.47 | 0.0784 | 0.136 | - | - |
| 20 | -7 | 125.81 | 148.01 | 65.9 | 1056.2 | 0.36 | 1.49 | 0.0781 | 0.135 | - | - |
| 30 | -1 | 87.43 | 102.86 | 65.7 | 1052.3 | 0.36 | 1.52 | 0.0777 | 0.135 | - | - |
| 40 | 4 | 62.96 | 74.07 | 65.4 | 1048.3 | 0.37 | 1.54 | 0.0774 | 0.134 | - | - |
| 50 | 10 | 46.73 | 54.98 | 65.2 | 1044.4 | 0.37 | 1.56 | 0.0771 | 0.133 | - | - |
| 60 | 16 | 37.08 | 43.62 | 65.0 | 1040.5 | 0.38 | 1.58 | 0.0767 | 0.133 | - | - |
| 70 | 21 | 29.40 | 34.58 | 64.7 | 1036.6 | 0.38 | 1.60 | 0.0764 | 0.132 | - | - |
| 80 | 27 | 23.30 | 27.41 | 64.5 | 1032.7 | 0.39 | 1.62 | 0.0760 | 0.132 | - | - |
| 90 | 32 | 19.24 | 22.63 | 64.2 | 1028.8 | 0.39 | 1.64 | 0.0757 | 0.131 | - | - |
| 100 | 38 | 15.34 | 18.04 | 64.0 | 1024.8 | 0.40 | 1.66 | 0.0754 | 0.130 | - | - |
| 110 | 43 | 12.89 | 15.16 | 63.7 | 1020.9 | 0.40 | 1.68 | 0.0750 | 0.130 | - | - |
| 120 | 49 | 10.83 | 12.74 | 63.5 | 1017.0 | 0.41 | 1.70 | 0.0747 | 0.129 | - | - |
| 130 | 54 | 9.23 | 10.85 | 63.2 | 1013.1 | 0.41 | 1.72 | 0.0743 | 0.129 | - | - |
| 140 | 60 | 7.94 | 9.34 | 63.0 | 1009.2 | 0.42 | 1.75 | 0.0740 | 0.128 | - | - |
| 150 | 66 | 6.91 | 8.13 | 62.8 | 1005.3 | 0.42 | 1.77 | 0.0737 | 0.128 | - | - |
| 160 | 71 | 6.07 | 7.14 | 62.5 | 1001.3 | 0.43 | 1.79 | 0.0733 | 0.127 | - | - |
| 170 | 77 | 5.37 | 6.32 | 62.3 | 997.4 | 0.43 | 1.81 | 0.0730 | 0.126 | - | - |
| 180 | 82 | 4.75 | 5.58 | 62.0 | 993.5 | 0.44 | 1.83 | 0.0726 | 0.126 | - | - |
| 190 | 88 | 7.19 | 8.46 | 61.8 | 989.6 | 0.44 | 1.85 | 0.0723 | 0.125 | - | - |
| 200 | 93 | 3.71 | 4.36 | 61.5 | 985.7 | 0.45 | 1.87 | 0.0720 | 0.125 | - | - |
| 210 | 99 | 3.42 | 4.02 | 61.3 | 981.8 | 0.45 | 1.89 | 0.0716 | 0.124 | - | - |
| 220 | 104 | 3.15 | 3.71 | 61.0 | 977.9 | 0.46 | 1.91 | 0.0713 | 0.123 | - | - |
| 230 | 110 | 2.90 | 3.41 | 60.8 | 973.9 | 0.46 | 1.93 | 0.0709 | 0.123 | - | - |
| 240 | 116 | 2.67 | 3.14 | 60.6 | 970.0 | 0.47 | 1.95 | 0.0706 | 0.122 | - | - |
| 250 | 121 | 2.46 | 2.90 | 60.3 | 966.1 | 0.47 | 1.98 | 0.0703 | 0.122 | - | - |
| 260 | 127 | 2.28 | 2.68 | 60.1 | 962.2 | 0.48 | 2.00 | 0.0699 | 0.121 | - | - |
| 270 | 132 | 2.11 | 2.48 | 59.8 | 958.3 | 0.48 | 2.02 | 0.0696 | 0.120 | - | - |
| 280 | 138 | 1.96 | 2.30 | 59.6 | 954.4 | 0.49 | 2.04 | 0.0692 | 0.120 | - | - |
| 290 | 143 | 1.82 | 2.15 | 59.3 | 950.4 | 0.49 | 2.06 | 0.0689 | 0.119 | - | - |
| 300 | 149 | 1.70 | 2.00 | 59.1 | 946.5 | 0.50 | 2.08 | 0.0686 | 0.119 | - | - |
| 310 | 154 | 1.60 | 1.88 | 58.8 | 942.6 | 0.50 | 2.10 | 0.0682 | 0.118 | - | - |
| 320 | 160 | 1.50 | 1.77 | 58.6 | 938.7 | 0.51 | 2.12 | 0.0679 | 0.118 | - | - |
| 330 | 166 | 1.41 | 1.66 | 58.4 | 934.8 | 0.51 | 2.14 | 0.0675 | 0.117 | - | - |
| 340 | 171 | 1.33 | 1.57 | 58.1 | 930.9 | 0.52 | 2.16 | 0.0672 | 0.116 | - | - |
| 350 | 177 | 1.21 | 1.42 | 57.9 | 926.9 | 0.52 | 2.19 | 0.0669 | 0.116 | 0.0188 | 0.0013 |
| 360 | 182 | 1.17 | 1.38 | 57.6 | 923.0 | 0.53 | 2.21 | 0.0665 | 0.115 | 0.0243 | 0.0017 |
| 370 | 188 | 1.11 | 1.31 | 57.4 | 919.1 | 0.53 | 2.23 | 0.0662 | 0.115 | 0.0311 | 0.0022 |
| 380 | 193 | 1.06 | 1.24 | 57.1 | 915.2 | 0.54 | 2.25 | 0.0658 | 0.114 | 0.0397 | 0.0028 |
| 390 | 199 | 1.00 | 1.18 | 56.9 | 911.3 | 0.54 | 2.27 | 0.0655 | 0.113 | 0.0502 | 0.0035 |
| 400 | 204 | 0.95 | 1.12 | 56.6 | 907.4 | 0.55 | 2.29 | 0.0652 | 0.113 | 0.0631 | 0.0044 |
| 410 | 210 | 0.92 | 1.08 | 56.4 | 903.4 | 0.55 | 2.31 | 0.0648 | 0.112 | 0.0790 | 0.0056 |
| 420 | 216 | 0.88 | 1.04 | 56.2 | 899.5 | 0.56 | 2.33 | 0.0645 | 0.112 | 0.0982 | 0.0069 |
| 430 | 221 | 0.85 | 1.00 | 55.9 | 895.6 | 0.56 | 2.35 | 0.0641 | 0.110 | 0.1216 | 0.0085 |
| 440 | 227 | 0.82 | 0.96 | 55.7 | 891.7 | 0.57 | 2.37 | 0.0638 | 0.110 | 0.1497 | 0.0105 |
| 450 | 232 | 0.79 | 0.93 | 55.4 | 887.8 | 0.57 | 2.39 | 0.0635 | 0.110 | 0.1835 | 0.0129 |
| 460 | 238 | 0.75 | 0.89 | 55.2 | 883.9 | 0.58 | 2.42 | 0.0631 | 0.109 | 0.2239 | 0.0157 |
| 470 | 243 | 0.72 | 0.85 | 54.9 | 879.9 | 0.58 | 2.44 | 0.0628 | 0.109 | 0.2720 | 0.0191 |
| 480 | 249 | 0.70 | 0.82 | 54.7 | 876.0 | 0.59 | 2.46 | 0.0624 | 0.108 | 0.3292 | 0.0231 |
| 490 | 254 | 0.67 | 0.79 | 54.4 | 872.1 | 0.59 | 2.48 | 0.0621 | 0.108 | 0.3967 | 0.0279 |
| 500 | 260 | 0.64 | 0.76 | 54.2 | 868.2 | 0.60 | 2.50 | 0.0618 | 0.107 | 0.4763 | 0.0335 |
| 510 | 266 | 0.62 | 0.73 | 54.0 | 864.3 | 0.60 | 2.52 | 0.0614 | 0.106 | 0.5699 | 0.0401 |
| 520 | 271 | 0.60 | 0.70 | 53.7 | 860.4 | 0.61 | 2.54 | 0.0611 | 0.106 | 0.6794 | 0.0478 |
| 530 | 277 | 0.57 | 0.68 | 53.5 | 856.5 | 0.61 | 2.56 | 0.0607 | 0.105 | 0.8073 | 0.0568 |
| 540 | 282 | 0.55 | 0.65 | 53.2 | 852.5 | 0.62 | 2.58 | 0.0604 | 0.105 | 0.9562 | 0.0672 |
| 550 | 288 | 0.53 | 0.63 | 53.0 | 848.6 | 0.62 | 2.60 | 0.0601 | 0.104 | 1.1290 | 0.0794 |
| 560 | 293 | 0.52 | 0.61 | 52.7 | 844.7 | 0.63 | 2.62 | 0.0597 | 0.103 | 1.3291 | 0.0934 |
| 570 | 299 | 0.50 | 0.59 | 52.5 | 840.8 | 0.63 | 2.65 | 0.0594 | 0.103 | 1.5600 | 0.1097 |
| 580 | 304 | 0.49 | 0.57 | 52.2 | 836.9 | 0.64 | 2.67 | 0.0590 | 0.102 | 1.8261 | 0.1284 |
| 590 | 310 | 0.47 | 0.55 | 52.0 | 833.0 | 0.64 | 2.69 | 0.0587 | 0.102 | 2.1317 | 0.1499 |
| 600 | 316 | 0.46 | 0.54 | 51.8 | 829.0 | 0.65 | 2.71 | 0.0584 | 0.101 | 2.4821 | 0.1745 |
| 610 | 321 | 0.44 | 0.52 | 51.5 | 825.1 | 0.65 | 2.73 | 0.0580 | 0.100 | 2.8828 | 0.2027 |
| 620 | 327 | 0.43 | 0.50 | 51.3 | 821.2 | 0.66 | 2.75 | 0.0577 | 0.100 | 3.3400 | 0.2348 |

* Data Represents typical laboratory samples and are not guaranteed for all samples.