

Paratherm CR® Heat Transfer Fluid

Physical Properties

| Temperature °F | Temperature °C | Viscosity cPs | Viscosity cSt | Viscosity lb/ft-hr | Density g/cc | Density lb/gal | Density lb/ft ³ | Thermal Conductivity BTU/hr-ft-°F | Specific Heat BTU/lb-°F | Vapor Pressure mmhg | Vapor Pressure psia |
|-------------------|-------------------|------------------|------------------|-----------------------|-----------------|-------------------|-------------------------------|---|-------------------------------|---------------------------|---------------------------|
| -150 | -101 | 36 | 38 | 87 | 0.95 | 7.9 | 59 | 0.086 | 0.35 | | |
| -125 | -87 | 21 | 22 | 50 | 0.94 | 7.8 | 59 | 0.086 | 0.36 | | |
| -100 | -73 | 5 | 5.5 | 12 | 0.92 | 7.7 | 57 | 0.085 | 0.38 | | |
| -75 | -59 | 3 | 3.8 | 8.3 | 0.91 | 7.6 | 57 | 0.084 | 0.39 | | |
| -50 | -46 | 2 | 2.5 | 5.4 | 0.89 | 7.4 | 56 | 0.084 | 0.40 | | |
| -25 | -32 | 2 | 1.8 | 3.8 | 0.88 | 7.3 | 55 | 0.083 | 0.41 | | |
| 0 | -18 | 1 | 1.5 | 3.2 | 0.87 | 7.3 | 54 | 0.083 | 0.43 | | |
| 25 | -4 | 1 | 1.3 | 2.7 | 0.85 | 7.1 | 53 | 0.082 | 0.44 | | |
| 50 | 10 | 1 | 1.1 | 2.2 | 0.84 | 7.0 | 52 | 0.081 | 0.45 | | |
| 75 | 24 | 1 | 0.94 | 1.9 | 0.82 | 6.8 | 51 | 0.081 | 0.46 | | |
| 100 | 38 | 1 | 0.84 | 1.6 | 0.81 | 6.8 | 51 | 0.080 | 0.47 | | |
| 125 | 52 | 0.58 | 0.73 | 1.4 | 0.80 | 6.7 | 50 | 0.080 | 0.49 | | |
| 150 | 66 | 0.51 | 0.65 | 1.2 | 0.78 | 6.5 | 49 | 0.079 | 0.50 | 28 | 0.5 |
| 175 | 79 | 0.46 | 0.60 | 1.1 | 0.77 | 6.4 | 48 | 0.078 | 0.51 | 55 | 1.1 |
| 200 | 93 | 0.42 | 0.56 | 1.00 | 0.75 | 6.3 | 47 | 0.078 | 0.52 | 94 | 1.8 |
| 225 | 107 | 0.38 | 0.51 | 0.92 | 0.74 | 6.2 | 46 | 0.077 | 0.54 | 145 | 2.8 |
| 250 | 121 | 0.35 | 0.48 | 0.85 | 0.73 | 6.1 | 46 | 0.077 | 0.55 | 208 | 4.0 |
| 275 | 135 | 0.33 | 0.46 | 0.80 | 0.71 | 5.9 | 44 | 0.076 | 0.56 | 337 | 6.5 |
| 300 | 149 | 0.31 | 0.44 | 0.75 | 0.70 | 5.8 | 44 | 0.075 | 0.57 | 468 | 9.1 |
| 325 | 163 | 0.29 | 0.43 | 0.70 | 0.68 | 5.7 | 42 | 0.075 | 0.59 | 595 | 12.0 |
| 350 | 177 | 0.28 | 0.42 | 0.68 | 0.67 | 5.6 | 42 | 0.074 | 0.60 | 719 | 14.0 |
| 375 | 191 | 0.27 | 0.41 | 0.65 | 0.66 | 5.5 | 41 | 0.074 | 0.61 | 841 | 16.0 |
| 400 | 204 | 0.25 | 0.39 | 0.61 | 0.64 | 5.3 | 40 | 0.073 | 0.62 | 959 | 18.0 |
| 425 | 218 | 0.24 | 0.38 | 0.58 | 0.63 | 5.3 | 39 | 0.072 | 0.63 | 1074 | 21.0 |

Visit <http://paracalc.paratherm.com> for detailed properties in a choice of temperature increments.

Note: The information and recommendations in this literature are made in good faith and are believed to be correct as of the below date. You, the user or specifier, should independently determine the suitability and fitness of Paratherm heat transfer fluids for use in your specific application. We warrant that the fluids conform to the specifications in Paratherm literature. Because we have no control over the fluid's end use or the conditions under which it will be used, we make no other warranties—expressed or implied, including the warranties of merchantability or fitness for a particular use or purpose (recommendations in this bulletin are not intended nor should be construed as approval to infringe on any existing patent). The user's exclusive remedy, and Paratherm's sole liability is limited to refund of the purchase price or replacement of any product proven to be otherwise than as warranted. Paratherm Corporation will not be liable for incidental or consequential damages of any kind.