

Paratherm OR® Heat Transfer Fluid

Physical Properties

Temp. °F	Temp. °C	Density		Viscosity			Thermal Conductivity BTU/(hr-ft ² -°F/ft)	Specific Heat BTU/(lb-°F)	Vapor Pressure	
		g/cc	lb/gal	lb/ft ³	cP	cSt			lb/(ft-hr)	mm Hg
0	-18	0.9052	7.56	56.57	2631	2908	6366	0.0770	0.4256	
10	-12	0.9018	7.53	56.35	1409	1563	3409	0.0768	0.4309	
20	-7	0.8983	7.50	56.14	801	892	1938	0.0765	0.4362	
30	-1	0.8949	7.48	55.92	480	537	1161	0.0763	0.4415	
40	4	0.8914	7.45	55.70	301	339	729	0.0761	0.4468	
50	10	0.8880	7.42	55.49	197	222	477	0.0758	0.4522	
60	16	0.8845	7.39	55.27	134	152	324	0.0756	0.4575	
70	21	0.8811	7.36	55.06	94	107	228	0.0754	0.4628	
80	27	0.8776	7.33	54.84	68	78	165	0.0752	0.4681	
90	32	0.8742	7.30	54.63	50	58	122	0.0749	0.4734	
100	38	0.8707	7.27	54.41	38.3	44.1	92.8	0.0747	0.4787	
110	43	0.8673	7.24	54.20	29.8	34.4	72.0	0.0745	0.4840	
120	49	0.8638	7.22	53.98	23.6	27.3	57.0	0.0742	0.4893	
130	54	0.8604	7.19	53.76	19.0	22.1	45.9	0.0740	0.4947	
140	60	0.8569	7.16	53.55	15.5	18.1	37.5	0.0738	0.5000	
150	66	0.8535	7.13	53.33	12.8	15.0	31.1	0.0736	0.5053	
160	71	0.8500	7.10	53.12	10.8	12.7	26.1	0.0733	0.5106	
170	77	0.8466	7.07	52.90	9.14	10.8	22.1	0.0731	0.5159	0.04
180	82	0.8431	7.04	52.69	7.84	9.28	19.0	0.0729	0.5212	0.05
190	88	0.8397	7.01	52.47	6.78	8.06	16.4	0.0726	0.5265	0.06
200	93	0.8362	6.99	52.26	5.92	7.06	14.3	0.0724	0.5318	0.07
210	99	0.8328	6.96	52.04	5.21	6.23	12.6	0.0722	0.5371	0.12
220	104	0.8293	6.93	51.83	4.61	5.54	11.2	0.0720	0.5425	0.16
230	110	0.8259	6.90	51.61	4.11	4.96	9.94	0.0717	0.5478	0.21
240	116	0.8224	6.87	51.39	3.68	4.46	8.91	0.0715	0.5531	0.25
250	121	0.8190	6.84	51.18	3.32	4.04	8.03	0.0713	0.5584	0.30
260	127	0.8155	6.81	50.96	3.01	3.68	7.27	0.0710	0.5637	0.46
270	132	0.8120	6.78	50.75	2.74	3.36	6.62	0.0708	0.5690	0.62
280	138	0.8086	6.76	50.53	2.50	3.09	6.05	0.0706	0.5743	0.78
290	143	0.8051	6.73	50.32	2.30	2.85	5.56	0.0704	0.5796	0.94
300	149	0.8017	6.70	50.10	1.97	2.45	4.76	0.0701	0.5850	1.10
310	154	0.7982	6.67	49.89	1.87	2.34	4.52	0.0699	0.5903	1.60
320	160	0.7948	6.64	49.67	1.77	2.22	4.27	0.0697	0.5956	2.10
330	166	0.7913	6.61	49.45	1.67	2.11	4.03	0.0694	0.6009	2.60
340	171	0.7879	6.58	49.24	1.57	1.99	3.80	0.0692	0.6062	3.10
350	177	0.7844	6.55	49.02	1.47	1.88	3.56	0.0690	0.6115	3.60
360	182	0.7810	6.52	48.81	1.38	1.76	3.33	0.0688	0.6168	4.80
370	188	0.7775	6.50	48.59	1.28	1.65	3.10	0.0685	0.6221	6.00
380	193	0.7741	6.47	48.38	1.18	1.53	2.87	0.0683	0.6275	7.20
390	199	0.7706	6.44	48.16	1.09	1.42	2.64	0.0681	0.6328	8.40
400	204	0.7672	6.41	47.95	0.99	1.30	2.41	0.0678	0.6381	9.60
410	210	0.7637	6.38	47.73	0.96	1.26	2.32	0.0676	0.6434	12.3
420	216	0.7603	6.35	47.51	0.92	1.22	2.24	0.0674	0.6487	15.0
430	221	0.7568	6.32	47.30	0.88	1.17	2.15	0.0672	0.6540	17.6
440	227	0.7534	6.29	47.08	0.85	1.13	2.06	0.0669	0.6593	20.3
450	232	0.7499	6.27	46.87	0.81	1.09	1.98	0.0667	0.6646	23.0
460	238	0.7465	6.24	46.65	0.78	1.05	1.89	0.0669	0.6699	28.2
470	243	0.7430	6.21	46.44	0.74	1.01	1.81	0.0662	0.6753	33.4
480	249	0.7396	6.18	46.22	0.71	0.96	1.72	0.0660	0.6806	38.6
490	254	0.7361	6.15	46.01	0.67	0.92	1.64	0.0658	0.6859	43.8
500	260	0.7327	6.12	45.79	0.64	0.88	1.56	0.0656	0.6912	49.0
510	265	0.7292	6.09	45.57	0.62	0.85	1.51	0.0653	0.6965	60.0
520	271	0.7258	6.06	45.36	0.60	0.83	1.47	0.0651	0.7018	71.0
530	277	0.7223	6.03	45.14	0.58	0.81	1.42	0.0649	0.7071	81.9
540	282	0.7189	6.01	44.93	0.57	0.79	1.38	0.0646	0.7124	92.9
550	288	0.7151	5.97	44.69	0.55	0.77	1.33	0.0644	0.7183	105
560	293	0.7117	5.94	44.43	0.54	0.75	1.31	0.0639	0.7236	136
570	299	0.7083	5.91	44.21	0.53	0.74	1.28	0.0634	0.7289	167
580	304	0.7048	5.88	44.00	0.52	0.73	1.25	0.0628	0.7343	198
590	310	0.7014	5.85	43.79	0.51	0.72	1.23	0.0623	0.7396	228
600	316	0.6980	5.83	43.57	0.50	0.712	1.20	0.0618	0.7449	259

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