Paratherm LR™ Low Range Heat Transfer Fluid

Rev. 0303

Typical Physical Properties

			Density		Viscosity			Specific Heat	Thermal Conductivity	Vapor Pressure	
°F	°C	Specific Gravity	lb/gal	lb/ft^3	cSt	cP	lb/(ft-hr)	BTU/(lb-°F)	BTU/(hr-ft²-°F/ft)	mm Hg	psia
-120	-84	0.8391	7.01	52.44	647	543	1313	0.3816	0.0925		
-110	-79	0.8350	6.98	52.18	313	261	631	0.3867	0.0923		
-100	-73	0.8309	6.94	51.93	166	138	334	0.3919	0.0920		
-90	-68	0.8268	6.91	51.67	96.2	79.5	192	0.3970	0.0918		
-80	-62	0.8227	6.87	51.42	59.5	49.0	119	0.4021	0.0915		
-70	-57	0.8186	6.84	51.16	39.1	32.0	77.4	0.4073	0.0913		
-60	-51	0.8145	6.80	50.90	26.9	22.0	53.1	0.4124	0.0910		
-50	-46	0.8104	6.77	50.65	19.4	15.7	38.0	0.4176	0.0908		
-40	-40	0.8061	6.73	50.38	14.4	11.6	28.1	0.4227	0.0905		
-30	-34	0.8020	6.70	50.12	11.1	8.88	21.5	0.4278	0.0903		
-20	-29	0.7981	6.67	49.88	8.73	6.97	16.9	0.4330	0.0901		
-10	-23	0.7940	6.63	49.62	7.04	5.59	13.5	0.4381	0.0898		
0	-18	0.7891	6.59	49.32	5.78	4.56	11.0	0.4433	0.0896		
10	-12	0.7850	6.56	49.06	4.84	3.80	9.18	0.4484	0.0893		
20	-7	0.7817	6.53	48.86	4.10	3.21	7.76	0.4535	0.0890		
30	-1	0.7777	6.50	48.60	3.53	2.74	6.64	0.4587	0.0887		
40	4	0.7736	6.46	48.34	3.07	2.38	5.75	0.4638	0.0884		
50	10	0.7695	6.43	48.09	2.70	2.08	5.02	0.4690	0.0881	0.10	--
60	16	0.7654	6.39	47.83	2.39	1.83	4.43	0.4741	0.0878		
70	21	0.7613	6.36	47.58	2.14	1.63	3.94	0.4792	0.0875		
80	27	0.7572	6.33	47.32	1.93	1.46	3.54	0.4844	0.0872		
90	32	0.7531	6.29	47.06	1.75	1.32	3.19	0.4895	0.0870		
100	38	0.7490	6.26	46.81	1.60	1.20	2.89	0.4947	0.0867	0.67	0.01
110	43	0.7449	6.22	46.55	1.47	1.09	2.64	0.4998	0.0864		
120	49	0.7408	6.19	46.30	1.35	1.00	2.42	0.5050	0.0862		
130	54	0.7367	6.15	46.04	1.25	0.92	2.23	0.5101	0.0859		
140	60	0.7326	6.12	45.78	1.16	0.85	2.05	0.5152	0.0857		
150	66	0.7285	6.09	45.53	1.08	0.79	1.90	0.5204	0.0854	3.70	0.07
160	71	0.7244	6.05	45.27	1.01	0.73	1.77	0.5255	0.0852		
170	77	0.7203	6.02	45.02	0.95	0.68	1.65	0.5307	0.0849		
180	82	0.7162	5.98	44.76	0.89	0.64	1.54	0.5358	0.0847		
190	88	0.7121	5.95	44.50	0.84	0.60	1.44	0.5409	0.0844		
200	93	0.7080	5.92	44.25	0.79	0.56	1.35	0.5461	0.0842	15.0	0.29
210	99	0.7039	5.88	43.99	0.75	0.53	1.27	0.5512	0.0839		
220	104	0.6998	5.85	43.74	0.71	0.49	1.20	0.5564	0.0836		
230	110	0.6957	5.81	43.48	0.67	0.47	1.13	0.5615	0.0834		
240	116	0.6916	5.78	43.23	0.64	0.44	1.07	0.5666	0.0831		
250	121	0.6876	5.74	42.97	0.61	0.42	1.01	0.5718	0.0828	50.0	0.97
260	127	0.6835	5.71	42.71	0.58	0.40	0.96	0.5769	0.0826		
270	132	0.6794	5.68	42.46	0.55	0.38	0.91	0.5821	0.0823		
280	138	0.6753	5.64	42.20	0.53	0.36	0.86	0.5872	0.0820		
290	143	0.6712	5.61	41.95	0.51	0.34	0.82	0.5923	0.0818		
300	149	0.6671	5.57	41.69	0.48	0.32	0.78	0.5975	0.0815	145	2.80
310	154	0.6630	5.54	41.43	0.47	0.31	0.75	0.6026	0.0813		
320	160	0.6589	5.50	41.18	0.45	0.29	0.71	0.6078	0.0810		
330	166	0.6548	5.47	40.92	0.43	0.28	0.68	0.6129	0.0808		
340	171	0.6507	5.44	40.67	0.41	0.27	0.65	0.6181	0.0805		
350	177	0.6466	5.40	40.41	0.40	0.26	0.62	0.6232	0.0803	375	7.25
360	182	0.6425	5.37	40.15	0.39	0.25	0.60	0.6283	0.0800		
370	188	0.6384	5.33	39.90	0.37	0.24	0.57	0.6335	0.0798		
380	193	0.6343	5.30	39.64	0.36	0.23	0.55	0.6386	0.0795		
390	199	0.6302	5.27	39.39	0.35	0.22	0.53	0.6438	0.0793		
400	204	0.6261	5.23	39.13	0.34	0.21	0.51	0.6489	0.0790	780	15.1
410	210	0.6220	5.20	38.87	0.33	0.20	0.49	0.6540	0.0788		
420	216	0.6179	5.16	38.62	0.32	0.20	0.47	0.6592	0.0785		
430	221	0.6138	5.13	38.36	0.31	0.19	0.46	0.6643	0.0783		
440	227	0.6097	5.09	38.11	0.30	0.18	0.44	0.6695	0.0780		
450	232	0.6056	5.06	37.85	0.29	0.18	0.43	0.6746	0.0778	1068	20.6