

Technical Data



Paratherm Corporation
Heat Transfer Fluids

Paratherm CR™ Heat Transfer Fluid

Rev. 1208

Typical Physical Properties — English Units

°F	°C	Specific Gravity	Density		Viscosity			Specific Heat BTU/(lb-°F)	Thermal Conductivity BTU/(hr-ft-°F/ft)	Vapor Pressure	
			lb/gal	lb/ft³	cSt	cP	lb/(hr-ft)			mm Hg	psia
-180	-118	0.9659	8.07	60.37				0.3364	0.0871		
-170	-112	0.9604	8.02	60.02				0.3414	0.0868		
-160	-107	0.9548	7.98	59.67				0.3463	0.0866		
-150	-101	0.9492	7.93	59.32	37.9	36.0	87.1	0.3512	0.0863		
-140	-96	0.9436	7.88	58.97				0.3562	0.0861		
-130	-90	0.9380	7.84	58.62				0.3611	0.0858		
-120	-84	0.9324	7.79	58.27				0.3660	0.0856		
-110	-79	0.9268	7.74	57.92				0.3710	0.0853		
-100	-73	0.9212	7.70	57.57	5.51	5.08	12.3	0.3759	0.0851		
-90	-68	0.9156	7.65	57.22				0.3808	0.0848		
-80	-62	0.9100	7.60	56.87				0.3858	0.0845		
-70	-57	0.9044	7.56	56.52				0.3907	0.0843		
-60	-51	0.8988	7.51	56.17				0.3956	0.0840		
-50	-46	0.8932	7.46	55.82	2.75	2.46	5.95	0.4006	0.0838		
-40	-40	0.8876	7.42	55.47				0.4055	0.0835		
-30	-34	0.8820	7.37	55.12				0.4104	0.0833		
-20	-29	0.8764	7.32	54.77				0.4154	0.0830		
-10	-23	0.8709	7.28	54.42				0.4203	0.0828		
0	-18	0.8653	7.23	54.08	1.83	1.58	3.82	0.4252	0.0825	0.01	-
10	-12	0.8597	7.18	53.73				0.4302	0.0823		
20	-7	0.8541	7.14	53.38				0.4351	0.0820		
30	-1	0.8485	7.09	53.03				0.4400	0.0818		
40	4	0.8429	7.04	52.68				0.4449	0.0816		
50	10	0.8373	7.00	52.33				0.4499	0.0814	2.51	0.05
60	16	0.8317	6.95	51.98				0.4548	0.0811		
70	21	0.8261	6.90	51.63				0.4597	0.0809		
80	27	0.8205	6.85	51.28				0.4647	0.0807		
90	32	0.8149	6.81	50.93				0.4696	0.0804		
100	38	0.8093	6.76	50.58				0.4745	0.0802	10.0	0.19
110	43	0.8037	6.71	50.23				0.4795	0.0800		
120	49	0.7981	6.67	49.88				0.4844	0.0798		
130	54	0.7925	6.62	49.53				0.4893	0.0795		
140	60	0.7869	6.57	49.18				0.4943	0.0793		
150	66	0.7813	6.53	48.83				0.4992	0.0791	33.0	0.64
160	71	0.7758	6.48	48.48				0.5041	0.0788		
170	77	0.7702	6.43	48.13				0.5091	0.0786		
180	82	0.7646	6.39	47.78				0.5140	0.0784		
190	88	0.7590	6.34	47.43				0.5189	0.0781		
200	93	0.7534	6.29	47.08				0.5239	0.0779	89.0	1.72
210	99	0.7478	6.25	46.73				0.5288	0.0776		
220	104	0.7422	6.20	46.38				0.5337	0.0774		
230	110	0.7366	6.15	46.03				0.5386	0.0771		
240	116	0.7310	6.11	45.68				0.5436	0.0768		
250	121	0.7254	6.06	45.34				0.5485	0.0766	210	4.06
260	127	0.7198	6.01	44.99				0.5534	0.0763		
270	132	0.7142	5.97	44.64				0.5584	0.0760		
280	138	0.7086	5.92	44.29				0.5633	0.0758		
290	143	0.7030	5.87	43.94				0.5682	0.0755		
300	149	0.6974	5.83	43.59				0.5732	0.0752	450	8.70
310	154	0.6918	5.78	43.24				0.5781	0.0749		
320	160	0.6863	5.73	42.89				0.5830	0.0747		
330	166	0.6807	5.69	42.54				0.5880	0.0744		
340	171	0.6751	5.64	42.19				0.5929	0.0741		
350	177	0.6695	5.59	41.84				0.5978	0.0739	737	14.3
360	182	0.6639	5.55	41.49				0.6028	0.0736		
370	188	0.6583	5.50	41.14				0.6077	0.0733		
380	193	0.6527	5.45	40.79				0.6126	0.0730		
390	199	0.6471	5.41	40.44				0.6176	0.0728		
400	204	0.6415	5.36	40.09				0.6225	0.0727	953	18.4