



# HEAT TRANSFER FLUIDS

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## XCEL THERM® SX800

Silicone based for high thermal stability and oxidative resistance at high operating temperatures up to 750°F (400°C) with a low start-up temperature of under -40°F (-40°C).

°C	°F	cP	mm <sup>2</sup> /s (cSt)	kg/m <sup>3</sup>	lbs/ft <sup>3</sup>	J/g-K	BTU/lb-°F	W/m-K	BTU/ft-hr-°F	kg/cm <sup>2</sup>	psia
-40	-40	60	61	991	61.87	1.506	0.3597	0.1468	0.0848		
-20	-4	29	30	975	60.89	1.540	0.3678	0.1428	0.0825		
0	32	16.1	16.9	960	59.91	1.574	0.3760	0.1388	0.0802	0.00	0.00
20	68	10.1	10.8	944	58.93	1.608	0.3841	0.1348	0.0779	0.00	0.00
40	104	6.9	7.5	928	57.95	1.642	0.3922	0.1308	0.0756	0.00	0.02
60	140	5.0	5.5	913	56.97	1.676	0.4003	0.1268	0.0733	0.01	0.10
80	176	3.8	4.2	897	55.99	1.710	0.4084	0.1228	0.0710	0.02	0.32
100	212	3.0	3.4	881	55.01	1.744	0.4166	0.1188	0.0686	0.06	0.83
120	248	2.4	2.8	865	54.03	1.778	0.4247	0.1148	0.0663	0.13	1.80
140	284	1.99	2.4	850	53.05	1.812	0.4328	0.1108	0.0640	0.24	3.46
160	320	1.68	2.02	834	52.07	1.846	0.4409	0.1068	0.0617	0.43	6.08
180	356	1.44	1.77	818	51.09	1.880	0.4490	0.1028	0.0594	0.70	10.01
200	392	1.25	1.57	803	50.11	1.914	0.4572	0.0988	0.0571	1.10	15.62
220	428	1.10	1.41	787	49.13	1.948	0.4653	0.0948	0.0548	1.64	23.38
240	464	0.98	1.27	771	48.15	1.982	0.4734	0.0908	0.0525	2.37	33.78
260	500	0.88	1.16	756	47.17	2.016	0.4815	0.0868	0.0502	3.33	47.39
280	536	0.79	1.07	740	46.19	2.050	0.4896	0.0828	0.0478	4.56	64.83
300	572	0.72	1.00	724	45.21	2.084	0.4978	0.0788	0.0455	6.10	86.80
320	608	0.66	0.93	709	44.23	2.118	0.5059	0.0748	0.0432	8.02	114.04
340	644	0.60	0.87	693	43.25	2.152	0.5140	0.0708	0.0409	10.36	147.36
360	680	0.55	0.82	677	42.27	2.186	0.5221	0.0668	0.0386	13.19	187.66
380	716	0.51	0.78	661	41.29	2.220	0.5302	0.0628	0.0363	16.58	235.87
400	752	0.48	0.74	646	40.31	2.254	0.5384	0.0588	0.0340	20.60	293.01

Data represents typical laboratory samples and are not guaranteed for all samples.  
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