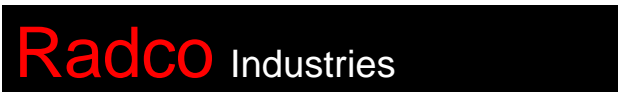


XCELTHERM® LVI Engineering Properties*

Radco Industries

VAPOR PHASE*												
Temperature		Viscosity	Density		Specific Heat		Thermal Conductivity		Latent Heat Vap		Enthalpy ¹	
°F	°C	cP	lb/ft ³	kg/m ³	BTU/lb-°F	J/g-K	BTU/ft-hr-°F	W/m-K	BTU/lb	J/g	BTU/lb	J/g
45	7.2	0.0076	-	-	0.2319	0.539	0.0099	0.0172	177.8	413.2	177.8	413.2
55	12.8	0.0078	-	-	0.236	0.548	0.0093	0.016	176.8	410.9	180.5	419.4
60	15.6	0.0079	-	-	0.2381	0.553	0.0093	0.0161	176.2	409.6	181.8	422.4
80	26.7	0.0083	-	-	0.2466	0.573	0.0093	0.0162	173.9	404.1	186.9	434.4
100	37.8	0.0087	-	-	0.2551	0.593	0.0095	0.0164	171.5	398.5	192.2	446.6
120	48.9	0.0091	1E-04	0.001	0.2636	0.613	0.0095	0.0165	169.1	393	197.7	459.4
140	60	0.0095	1E-04	0.002	0.272	0.632	0.0097	0.0167	166.7	387.5	203.3	472.4
160	71.1	0.0099	3E-04	0.005	0.2804	0.652	0.0098	0.017	164.4	382	209	485.8
180	82.2	0.0103	6E-04	0.01	0.2887	0.671	0.01	0.0172	162	376.5	214.9	499.5
200	93.3	0.0107	0.001	0.018	0.297	0.69	0.0101	0.0175	159.6	371	221	513.7
220	104.4	0.0111	0.002	0.031	0.3053	0.71	0.0102	0.0177	157.4	365.7	227.03	528.2
240	115.6	0.0115	0.003	0.052	0.3135	0.729	0.0104	0.018	155.6	361.6	234.3	544.5
260	126.7	1.119	0.005	0.084	0.3217	0.748	0.0105	0.0182	153	355.7	240.6	559.2
280	137.8	0.0123	0.008	0.132	0.3299	0.767	0.0108	0.0186	151	350.9	247.6	575.3
300	148.9	0.0127	0.013	0.2	0.338	0.786	0.0109	0.0189	148.7	345.6	254.5	591.5
320	160	0.0131	0.018	0.294	0.3461	0.804	0.0112	0.0193	146.5	340.5	261.6	607.9
340	171.1	101350	0.026	0.424	0.3542	0.823	0.0113	0.0196	144.2	335.1	268.7	624.5
360	182.2	0.0139	0.037	0.596	0.3622	0.842	0.0115	0.02	141.9	329.8	276	641.4
380	193.3	0.0143	0.051	0.823	0.3702	0.86	0.0118	0.0204	139.6	324.4	283.4	658.6
400	204.4	0.0147	0.07	1.117	0.3781	0.879	0.012	0.0208	137.4	319.3	291	676.4
420	215.6	0.0151	0.092	1.479	0.386	0.897	0.0123	0.0214	135.1	313.9	298.7	694.2
440	226.7	0.0155	0.121	1.936	0.3939	0.915	0.0126	0.0218	132.8	308.5	306.7	712.8
460	237.8	0.0159	0.156	2.496	0.4017	0.934	0.0128	0.0222	130.4	303.2	316.5	735.7
480	248.9	0.0163	0.197	3.162	0.4095	0.952	0.0132	0.0228	128.1	297.8	322.8	750.3
500	260	0.0167	0.248	3.966	0.4172	0.97	0.0134	0.0232	125.9	292.6	331.2	769.7
520	271.1	0.0171	0.309	4.95	0.4249	0.999	0.0137	0.0238	123.6	287.2	339.6	789.2
540	282.2	0.0175	0.374	5.989	0.4326	1.005	0.0141	0.0243	121.3	281.8	348.2	809.1
560	293.3	0.0179	0.046	7.389	0.4403	1.023	0.0144	0.0249	118.9	276.4	356.8	829.3
580	304.4	0.0183	0.555	8.887	0.4479	1.041	0.0147	0.0255	116.6	271	365.7	849.8
600	315.6	0.0187	0.066	10.61	0.4554	1.059	0.015	0.026	114.4	265.8	374.7	870.9
620	326.7	0.0191	0.784	12.55	0.463	1.076	0.0154	0.0266	111.5	259.2	383.6	891.5
640	337.8	0.0195	0.92	14.74	0.4705	1.093	0.0158	0.0273	108.3	251.8	392	911

XCELTHERM® LVI Engineering Properties*



VAPOR PHASE*												
Temperature		Viscosity	Density		Specific Heat		Thermal Conductivity		Latent Heat Vap		Enthalpy ¹	
°F	°C	cP	lb/ft3	kg/m3	BTU/lb-°F	J/g-K	BTU/ft-hr-°F	W/m-K	BTU/lb	J/g	BTU/lb	J/g
660	348.9	0.0199	1.073	17.19	0.4779	1.111	0.0161	0.0279	105.1	244.4	400.8	931.5
680	360	0.0203	1.245	19.95	0.4854	1.128	0.0165	0.0286	102	237	409.8	952.3
700	371.1	0.0207	1.427	22.86	0.4927	1.145	0.0169	0.0293	98.8	229.5	418.9	973.5

* Data Represents typical laboratory samples and are not guaranteed for all samples.

¹ Enthalpy basis is liquid crystallizing point of 45°F (7.2°C)