

Propen R1270

Temperature	Pressure	Liquid Density	Vapor Density	Liquid Enthalpy	Vapor Enthalpy	Liquid Entropy	Vapor Entropy
(°C)	(bar)	(kg/m <sup>3</sup> )	(kg/m <sup>3</sup> )	(kJ/kg)	(kJ/kg)	(kJ/kg-K)	(kJ/kg-K)
-40	1,4147	600,52	3,2169	106,97	537,31	0,63523	2,481
-39	1,4754	599,25	3,3453	109,2	538,38	0,64472	2,4776
-38	1,538	597,98	3,4777	111,43	539,45	0,65419	2,4744
-37	1,6027	596,71	3,614	113,67	540,51	0,66364	2,4712
-36	1,6695	595,43	3,7544	115,91	541,58	0,67306	2,468
-35	1,7384	594,15	3,8989	118,15	542,64	0,68246	2,4649
-34	1,8094	592,86	4,0477	120,4	543,7	0,69184	2,4618
-33	1,8827	591,57	4,2008	122,66	544,75	0,7012	2,4588
-32	1,9582	590,27	4,3583	124,92	545,81	0,71053	2,4559
-31	2,0359	588,97	4,5203	127,18	546,86	0,71984	2,453
-30	2,1161	587,67	4,6869	129,45	547,91	0,72914	2,4501
-29	2,1986	586,36	4,8582	131,72	548,95	0,73841	2,4473
-28	2,2835	585,05	5,0342	134	549,99	0,74766	2,4445
-27	2,3709	583,73	5,2152	136,28	551,03	0,75689	2,4418
-26	2,4609	582,41	5,401	138,57	552,07	0,7661	2,4392
-25	2,5534	581,09	5,592	140,86	553,1	0,7753	2,4365
-24	2,6485	579,76	5,788	143,16	554,13	0,78447	2,4339
-23	2,7462	578,42	5,9894	145,46	555,16	0,79363	2,4314
-22	2,8467	577,08	6,1961	147,77	556,18	0,80276	2,4289
-21	2,95	575,73	6,4082	150,09	557,2	0,81188	2,4264
-20	3,056	574,38	6,6259	152,4	558,21	0,82099	2,424
-19	3,1649	573,03	6,8493	154,73	559,22	0,83007	2,4216
-18	3,2767	571,67	7,0784	157,06	560,23	0,83914	2,4193
-17	3,3914	570,3	7,3135	159,39	561,24	0,8482	2,417
-16	3,5091	568,93	7,5545	161,73	562,24	0,85724	2,4147
-15	3,6299	567,55	7,8017	164,08	563,23	0,86626	2,4125
-14	3,7538	566,17	8,0551	166,43	564,23	0,87527	2,4103
-13	3,8808	564,78	8,3148	168,79	565,21	0,88426	2,4081
-12	4,011	563,38	8,581	171,15	566,2	0,89324	2,406
-11	4,1444	561,98	8,8538	173,52	567,18	0,9022	2,4038
-10	4,2812	560,57	9,1333	175,9	568,15	0,91115	2,4018
-9	4,4212	559,16	9,4197	178,28	569,12	0,92009	2,3997
-8	4,5647	557,74	9,713	180,66	570,09	0,92902	2,3977
-7	4,7116	556,31	10,013	183,06	571,05	0,93793	2,3957
-6	4,862	554,88	10,321	185,46	572	0,94683	2,3937
-5	5,016	553,44	10,636	187,87	572,95	0,95572	2,3918
-4	5,1735	551,99	10,959	190,28	573,9	0,9646	2,3899
-3	5,3347	550,54	11,289	192,7	574,84	0,97346	2,388
-2	5,4996	549,07	11,627	195,13	575,78	0,98232	2,3862
-1	5,6682	547,61	11,973	197,56	576,71	0,99116	2,3843
0	5,8407	546,13	12,328	200	577,63	1	2,3825
1	6,017	544,65	12,69	202,45	578,55	1,0088	2,3807
2	6,1972	543,16	13,061	204,9	579,46	1,0176	2,3789
3	6,3814	541,66	13,441	207,36	580,37	1,0265	2,3772
4	6,5696	540,15	13,829	209,83	581,27	1,0353	2,3755
5	6,7618	538,63	14,226	212,31	582,17	1,044	2,3737
6	6,9582	537,11	14,633	214,79	583,05	1,0528	2,372
7	7,1587	535,58	15,049	217,29	583,94	1,0616	2,3704
8	7,3635	534,04	15,474	219,79	584,81	1,0704	2,3687
9	7,5725	532,49	15,909	222,29	585,68	1,0791	2,3671
10	7,7859	530,93	16,354	224,81	586,55	1,0879	2,3654
11	8,0037	529,36	16,809	227,33	587,4	1,0966	2,3638
12	8,2259	527,78	17,275	229,86	588,25	1,1054	2,3622
13	8,4526	526,19	17,751	232,4	589,09	1,1141	2,3606
14	8,6839	524,6	18,238	234,95	589,92	1,1229	2,3591
15	8,9198	522,99	18,736	237,51	590,75	1,1316	2,3575
16	9,1604	521,37	19,246	240,08	591,57	1,1403	2,3559
17	9,4057	519,74	19,766	242,65	592,38	1,1491	2,3544
18	9,6557	518,1	20,299	245,23	593,18	1,1578	2,3529
19	9,9107	516,45	20,844	247,83	593,97	1,1665	2,3513
20	10,17	514,79	21,401	250,43	594,75	1,1752	2,3498
21	10,435	513,11	21,971	253,04	595,53	1,1839	2,3483
22	10,705	511,43	22,553	255,66	596,29	1,1927	2,3467
23	10,98	509,73	23,149	258,3	597,04	1,2014	2,3452
24	11,26	508,02	23,759	260,94	597,79	1,2101	2,3437

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(°C)	(bar)	(kg/m <sup>3</sup> )	(kg/m <sup>3</sup> )	(kJ/kg)	(kJ/kg)	(kJ/kg-K)	(kJ/kg-K)
25	11,545	506,29	24,382	263,59	598,52	1,2188	2,3422
26	11,835	504,55	25,02	266,25	599,24	1,2276	2,3407
27	12,131	502,8	25,672	268,93	599,95	1,2363	2,3391
28	12,432	501,04	26,339	271,61	600,65	1,245	2,3376
29	12,739	499,26	27,022	274,31	601,34	1,2537	2,3361
30	13,05	497,46	27,72	277,01	602,01	1,2625	2,3346
31	13,368	495,65	28,434	279,73	602,68	1,2712	2,333
32	13,691	493,83	29,165	282,46	603,33	1,28	2,3315
33	14,02	491,99	29,913	285,2	603,97	1,2887	2,3299
34	14,354	490,13	30,678	287,96	604,59	1,2975	2,3284
35	14,695	488,25	31,462	290,72	605,2	1,3062	2,3268
36	15,041	486,36	32,264	293,5	605,8	1,315	2,3252
37	15,393	484,45	33,084	296,29	606,39	1,3238	2,3236
38	15,751	482,52	33,925	299,1	606,96	1,3326	2,322
39	16,115	480,57	34,785	301,92	607,51	1,3414	2,3204
40	16,485	478,6	35,666	304,75	608,05	1,3502	2,3188
41	16,861	476,61	36,569	307,6	608,58	1,359	2,3171
42	17,244	474,6	37,493	310,46	609,09	1,3679	2,3155
43	17,633	472,56	38,441	313,34	609,58	1,3767	2,3138
44	18,028	470,51	39,412	316,23	610,06	1,3856	2,3121
45	18,43	468,43	40,407	319,14	610,52	1,3945	2,3103
46	18,838	466,33	41,427	322,07	610,96	1,4034	2,3086
47	19,253	464,2	42,474	325,01	611,38	1,4123	2,3068
48	19,675	462,04	43,547	327,97	611,78	1,4213	2,305
49	20,103	459,86	44,649	330,94	612,16	1,4302	2,3032
50	20,538	457,65	45,78	333,94	612,52	1,4392	2,3013
51	20,98	455,41	46,94	336,95	612,86	1,4482	2,2994
52	21,429	453,14	48,133	339,99	613,17	1,4573	2,2975
53	21,885	450,84	49,358	343,04	613,46	1,4664	2,2955
54	22,348	448,51	50,617	346,12	613,73	1,4755	2,2934
55	22,819	446,14	51,912	349,22	613,96	1,4846	2,2914
56	23,296	443,73	53,244	352,34	614,17	1,4937	2,2892
57	23,781	441,29	54,615	355,48	614,35	1,503	2,2871
58	24,274	438,81	56,027	358,65	614,5	1,5122	2,2848
59	24,774	436,29	57,482	361,84	614,61	1,5215	2,2825
60	25,281	433,72	58,981	365,06	614,69	1,5308	2,2801
61	25,797	431,11	60,528	368,31	614,73	1,5402	2,2777
62	26,32	428,45	62,125	371,59	614,74	1,5496	2,2751
63	26,851	425,73	63,774	374,89	614,7	1,5591	2,2725
64	27,39	422,97	65,479	378,23	614,62	1,5686	2,2698
65	27,937	420,14	67,243	381,61	614,5	1,5783	2,267
66	28,493	417,25	69,07	385,02	614,33	1,5879	2,2641
67	29,057	414,3	70,963	388,47	614,1	1,5977	2,261
68	29,629	411,28	72,928	391,95	613,82	1,6075	2,2579
69	30,21	408,18	74,969	395,48	613,49	1,6174	2,2546
70	30,799	405	77,092	399,06	613,08	1,6274	2,2512
71	31,398	401,73	79,304	402,68	612,62	1,6376	2,2476
72	32,005	398,37	81,611	406,36	612,07	1,6478	2,2438
73	32,621	394,9	84,022	410,09	611,45	1,6581	2,2398
74	33,247	391,32	86,546	413,88	610,74	1,6686	2,2357
75	33,882	387,62	89,195	417,74	609,94	1,6792	2,2313
76	34,526	383,78	91,981	421,67	609,03	1,69	2,2266
77	35,18	379,79	94,919	425,68	608,01	1,701	2,2217
78	35,844	375,63	98,027	429,78	606,86	1,7122	2,2165
79	36,518	371,28	101,33	433,98	605,56	1,7236	2,2109
80	37,202	366,72	104,85	438,29	604,1	1,7353	2,2048
81	37,897	361,9	108,62	442,72	602,45	1,7473	2,1983
82	38,602	356,79	112,68	447,3	600,58	1,7597	2,1913
83	39,318	351,34	117,1	452,05	598,45	1,7725	2,1835
84	40,046	345,47	121,93	457,01	596,02	1,7858	2,175
85	40,785	339,09	127,29	462,22	593,19	1,7997	2,1654
86	41,537	332,04	133,32	467,75	589,89	1,8146	2,1546
87	42,301	324,09	140,26	473,72	585,93	1,8305	2,142
88	43,078	314,86	148,5	480,31	581,04	1,8481	2,127
89	43,869	303,51	158,84	487,92	574,68	1,8684	2,108
90	44,675	287,88	173,43	497,6	565,4	1,8944	2,0811