

R-1234ze

Trans-1,3,3,3-Tetrafluorpropeen

DAMPDRUKTABEL

Temperatuur °C	Druk bar	Dichtheid kg/m ³		Enthalpie kJ/kg		Entropie J/kg*K	
		vloeistof	gasvormig	vloeistof	gasvormig	vloeistof	gasvormig
-35,0	0,477	1336,5	2,814	154,94	359,51	0,8241	1,6831
-34,0	0,502	1333,8	2,951	156,20	360,23	0,8294	1,6825
-33,0	0,527	1331,2	3,092	157,46	360,94	0,8346	1,6819
-32,0	0,554	1328,6	3,239	158,72	361,66	0,8398	1,6814
-31,0	0,582	1325,9	3,391	159,99	362,37	0,8451	1,6808
-30,0	0,611	1323,3	3,549	161,25	363,09	0,8503	1,6803
-29,0	0,641	1320,6	3,713	162,52	363,80	0,8555	1,6799
-28,0	0,672	1317,9	3,882	163,79	364,51	0,8606	1,6794
-27,0	0,705	1315,3	4,058	165,06	365,23	0,8658	1,6790
-26,0	0,739	1312,6	4,240	166,33	365,94	0,8709	1,6786
-25,0	0,774	1309,9	4,428	167,60	366,65	0,8761	1,6782
-24,0	0,810	1307,2	4,623	168,88	367,36	0,8812	1,6778
-23,0	0,847	1304,5	4,824	170,15	368,07	0,8863	1,6775
-22,0	0,886	1301,8	5,032	171,43	368,78	0,8914	1,6772
-21,0	0,927	1299,1	5,248	172,71	369,49	0,8964	1,6769
-20,0	0,969	1296,4	5,470	173,99	370,20	0,9015	1,6766
-19,0	1,012	1293,7	5,700	175,27	370,91	0,9065	1,6763
-18,0	1,057	1290,9	5,937	176,56	371,62	0,9116	1,6761
-17,0	1,103	1288,2	6,182	177,84	372,32	0,9166	1,6758
-16,0	1,151	1285,4	6,435	179,13	373,03	0,9216	1,6756
-15,0	1,201	1282,7	6,696	180,42	373,74	0,9266	1,6754
-14,0	1,252	1279,9	6,965	181,71	374,44	0,9316	1,6752
-13,0	1,305	1277,1	7,243	183,01	375,14	0,9365	1,6751
-12,0	1,360	1274,3	7,529	184,30	375,85	0,9415	1,6749
-11,0	1,416	1271,5	7,825	185,60	376,55	0,9464	1,6748
-10,0	1,474	1268,7	8,129	186,90	377,25	0,9513	1,6747
-9,0	1,535	1265,9	8,442	188,20	377,95	0,9563	1,6746
-8,0	1,597	1263,1	8,765	189,50	378,64	0,9612	1,6745
-7,0	1,660	1260,3	9,098	190,81	379,34	0,9661	1,6744
-6,0	1,726	1257,4	9,440	192,11	380,04	0,9709	1,6744
-5,0	1,794	1254,6	9,793	193,42	380,73	0,9758	1,6743
-4,0	1,864	1251,7	10,16	194,73	381,42	0,9807	1,6743
-3,0	1,936	1248,8	10,53	196,05	382,11	0,9855	1,6743
-2,0	2,011	1245,9	10,91	197,36	382,80	0,9904	1,6743
-1,0	2,087	1243,0	11,31	198,68	383,49	0,9952	1,6743
0,0	2,166	1240,1	11,71	200,00	384,18	1,0000	1,6743
1,0	2,246	1237,2	12,13	201,32	384,87	1,0048	1,6743
2,0	2,330	1234,3	12,56	202,65	385,55	1,0096	1,6743
3,0	2,415	1231,3	13,00	203,97	386,23	1,0144	1,6744
4,0	2,503	1228,4	13,46	205,30	386,91	1,0192	1,6744
5,0	2,593	1225,4	13,92	206,63	387,59	1,0239	1,6745

R-1234ze

Temperatuur °C	Druk bar	Dichtheid kg/m ³		Enthalpie kJ/kg		Entropie J/kg*K	
		vloeistof	gasvormig	vloeistof	gasvormig	vloeistof	gasvormig
6,0	2,686	1222,4	14,40	207,97	388,27	1,0287	1,6746
7,0	2,782	1219,4	14,89	209,30	388,94	1,0334	1,6747
8,0	2,880	1216,4	15,40	210,64	389,62	1,0382	1,6748
9,0	2,980	1213,4	15,92	211,98	390,29	1,0429	1,6749
10,0	3,084	1210,4	16,45	213,32	390,96	1,0476	1,6750
11,0	3,190	1207,3	17,00	214,67	391,62	1,0523	1,6751
12,0	3,298	1204,3	17,56	216,02	392,29	1,0571	1,6752
13,0	3,410	1201,2	18,13	217,37	392,95	1,0617	1,6754
14,0	3,524	1198,1	18,73	218,72	393,61	1,0664	1,6755
15,0	3,642	1195,0	19,33	220,08	394,27	1,0711	1,6756
16,0	3,762	1191,9	19,95	221,44	394,93	1,0758	1,6758
17,0	3,885	1188,8	20,59	222,80	395,58	1,0805	1,6760
18,0	4,011	1185,6	21,25	224,16	396,23	1,0851	1,6761
19,0	4,141	1182,4	21,92	225,53	396,88	1,0898	1,6763
20,0	4,273	1179,3	22,61	226,90	397,53	1,0944	1,6765
21,0	4,409	1176,1	23,31	228,27	398,17	1,0990	1,6766
22,0	4,548	1172,8	24,04	229,65	398,81	1,1037	1,6768
23,0	4,691	1169,6	24,78	231,03	399,45	1,1083	1,6770
24,0	4,836	1166,4	25,54	232,41	400,09	1,1129	1,6772
25,0	4,985	1163,1	26,32	233,80	400,72	1,1175	1,6774
26,0	5,138	1159,8	27,12	235,19	401,35	1,1221	1,6776
27,0	5,294	1156,5	27,94	236,58	401,97	1,1267	1,6778
28,0	5,453	1153,2	28,78	237,98	402,60	1,1313	1,6780
29,0	5,616	1149,8	29,64	239,38	403,22	1,1359	1,6782
30,0	5,783	1146,4	30,52	240,78	403,83	1,1405	1,6784
31,0	5,954	1143,1	31,43	242,18	404,45	1,1451	1,6786
32,0	6,128	1139,6	32,35	243,59	405,06	1,1497	1,6788
33,0	6,306	1136,2	33,30	245,01	405,66	1,1542	1,6790
34,0	6,488	1132,8	34,28	246,42	406,27	1,1588	1,6792
35,0	6,674	1129,3	35,27	247,84	406,87	1,1634	1,6794
36,0	6,864	1125,8	36,29	249,27	407,46	1,1679	1,6796
37,0	7,058	1122,2	37,34	250,69	408,05	1,1725	1,6799
38,0	7,256	1118,7	38,41	252,13	408,64	1,1770	1,6801
39,0	7,458	1115,1	39,51	253,56	409,22	1,1816	1,6803
40,0	7,665	1111,5	40,64	255,00	409,80	1,1861	1,6805
41,0	7,875	1107,9	41,79	256,45	410,38	1,1907	1,6807
42,0	8,090	1104,2	42,97	257,89	410,95	1,1952	1,6809
43,0	8,309	1100,5	44,18	259,35	411,51	1,1998	1,6811
44,0	8,533	1096,8	45,42	260,80	412,07	1,2043	1,6813
45,0	8,762	1093,1	46,69	262,27	412,63	1,2088	1,6815

R-1234ze

Temperatuur °C	Druk bar	Dichtheid kg/m ³		Enthalpie kJ/kg		Entropie J/kg*K	
		vloeistof	gasvormig	vloeistof	gasvormig	vloeistof	gasvormig
46,0	8,994	1089,3	48,00	263,73	413,18	1,2134	1,6816
47,0	9,232	1085,5	49,33	265,20	413,72	1,2179	1,6818
48,0	9,474	1081,6	50,70	266,68	414,26	1,2224	1,6820
49,0	9,721	1077,7	52,10	268,16	414,80	1,2270	1,6822
50,0	9,972	1073,8	53,54	269,64	415,33	1,2315	1,6823
51,0	10,23	1069,9	55,01	271,13	415,85	1,2360	1,6825
52,0	10,49	1065,9	56,52	272,63	416,37	1,2405	1,6826
53,0	10,76	1061,9	58,07	274,13	416,88	1,2451	1,6828
54,0	11,03	1057,8	59,66	275,63	417,38	1,2496	1,6829
55,0	11,30	1053,7	61,29	277,14	417,88	1,2541	1,6830
56,0	11,59	1049,5	62,96	278,66	418,37	1,2587	1,6831
57,0	11,87	1045,4	64,67	280,18	418,86	1,2632	1,6832
58,0	12,17	1041,1	66,43	281,71	419,33	1,2677	1,6833
59,0	12,46	1036,8	68,23	283,24	419,80	1,2723	1,6834
60,0	12,77	1032,5	70,08	284,78	420,26	1,2768	1,6835
61,0	13,07	1028,1	71,98	286,33	420,72	1,2814	1,6835
62,0	13,39	1023,7	73,93	287,88	421,16	1,2859	1,6836
63,0	13,71	1019,2	75,93	289,44	421,60	1,2905	1,6836
64,0	14,03	1014,7	77,98	291,01	422,03	1,2950	1,6836
65,0	14,37	1010,1	80,09	292,58	422,45	1,2996	1,6836
66,0	14,70	1005,5	82,26	294,16	422,86	1,3041	1,6836
67,0	15,05	1000,7	84,49	295,75	423,26	1,3087	1,6836
68,0	15,39	995,97	86,78	297,34	423,65	1,3133	1,6835
69,0	15,75	991,13	89,14	298,94	424,03	1,3179	1,6835
70,0	16,11	986,22	91,56	300,56	424,40	1,3225	1,6834
71,0	16,48	981,24	94,06	302,18	424,76	1,3271	1,6833
72,0	16,85	976,19	96,62	303,8	425,10	1,3317	1,6831
73,0	17,23	971,06	99,27	305,44	425,44	1,3363	1,6830
74,0	17,62	965,85	102,0	307,09	425,76	1,3410	1,6828
75,0	18,01	960,56	104,8	308,74	426,06	1,3456	1,6826
76,0	18,41	955,17	107,7	310,41	426,36	1,3503	1,6824
77,0	18,82	949,70	110,7	312,09	426,64	1,3549	1,6821
78,0	19,23	944,12	113,8	313,77	426,90	1,3596	1,6818
79,0	19,65	938,45	116,9	315,47	427,15	1,3643	1,6815
80,0	20,08	932,66	120,2	317,19	427,38	1,3691	1,6811
81,0	20,51	926,76	123,6	318,91	427,60	1,3738	1,6807
82,0	20,95	920,74	127,1	320,65	427,79	1,3786	1,6803
83,0	21,40	914,60	130,8	322,40	427,97	1,3834	1,6798
84,0	21,86	908,31	134,6	324,16	428,12	1,3882	1,6792
85,0	22,32	901,89	138,5	325,95	428,25	1,3930	1,6787

R-1234ze

Temperatuur °C	Druk bar	Dichtheid kg/m ³		Enthalpie kJ/kg		Entropie J/kg*K	
		vloeistof	gasvormig	vloeistof	gasvormig	vloeistof	gasvormig
86,0	22,79	895,31	142,6	327,74	428,36	1,3979	1,6780
87,0	23,27	888,56	146,8	329,56	428,44	1,4028	1,6773
88,0	23,76	881,64	151,2	331,39	428,50	1,4077	1,6766
89,0	24,25	874,53	155,8	333,25	428,53	1,4127	1,6758
90,0	24,76	867,22	160,6	335,12	428,52	1,4177	1,6749
91,0	25,27	859,68	165,6	337,02	428,49	1,4227	1,6739
92,0	25,79	851,90	170,8	338,94	428,41	1,4279	1,6729
93,0	26,31	843,86	176,3	340,90	428,30	1,4330	1,6717
94,0	26,85	835,53	182,1	342,88	428,14	1,4382	1,6705
95,0	27,40	826,88	188,2	344,89	427,93	1,4435	1,6691
96,0	27,95	817,87	194,7	346,94	427,67	1,4489	1,6676
97,0	28,51	808,46	201,5	349,03	427,35	1,4544	1,6660
98,0	29,09	798,60	208,8	351,16	426,97	1,4599	1,6642
99,0	29,67	788,22	216,6	353,35	426,50	1,4656	1,6622
100,0	30,26	777,25	225,0	355,59	425,95	1,4715	1,6600
101,0	30,86	765,57	234,1	357,91	425,30	1,4774	1,6576
102,0	31,48	753,06	244,0	360,31	424,52	1,4836	1,6548
103,0	32,10	739,51	254,9	362,81	423,59	1,4901	1,6517
104,0	32,73	724,66	267,1	365,44	422,48	1,4968	1,6481
105,0	33,38	708,09	281,0	368,23	421,12	1,5040	1,6438
106,0	34,04	689,13	297,3	371,26	419,41	1,5117	1,6387
107,0	34,71	666,46	317,1	374,65	417,19	1,5204	1,6323
108,0	35,39	637,00	343,7	378,72	414,03	1,5308	1,6234
109,0	36,09	587,17	390,1	384,80	408,11	1,5464	1,6074

Benegas geeft geen garantie voor de juistheid en volledigheid van de getoonde informatie. Benegas is daarom niet aansprakelijk voor en kan niet worden gehouden aan, van of via deze documentatie betrokken informatie.

Berekend met Refprop Versie 10.0 | Herzien op 07-01-2020

Benegas B.V.
 Zuiderzeestraatweg 1
 Postbus 34 | 3880 AA Putten (NL)
 +31(0)341 72 33 50
 koudemiddelen@benegas.com
 www.benegas.com

a DCC business