

温度(°C)	粘度(μ Pa·s)									
	R290		R1270		R600		R600a		R744	
	液体	気体	液体	気体	液体	気体	液体	気体	液体	気体
-60.0	245.0	5.851	226.1	6.012	408.8	5.307	442.9	5.407		
-59.0	242.0	5.877	223.4	6.039	403.3	5.332	436.0	5.432		
-58.0	239.1	5.902	220.7	6.067	397.8	5.357	429.2	5.457		
-57.0	236.2	5.928	218.1	6.095	392.4	5.382	422.6	5.482		
-56.0	233.4	5.953	215.6	6.123	387.1	5.406	416.1	5.506	254.2	10.98
-55.0	230.6	5.979	213.1	6.151	382.0	5.431	409.8	5.531	249.9	11.03
-54.0	227.8	6.005	210.6	6.179	376.9	5.456	403.6	5.556	245.6	11.09
-53.0	225.1	6.030	208.2	6.207	372.0	5.480	397.5	5.580	241.4	11.14
-52.0	222.4	6.056	205.8	6.235	367.1	5.505	391.6	5.605	237.3	11.20
-51.0	219.8	6.081	203.4	6.263	362.3	5.530	385.8	5.629	233.2	11.25
-50.0	217.2	6.107	201.1	6.291	357.7	5.554	380.1	5.654	229.3	11.31
-49.0	214.7	6.132	198.8	6.319	353.1	5.579	374.5	5.678	225.4	11.36
-48.0	212.2	6.158	196.6	6.347	348.6	5.604	369.1	5.703	221.6	11.42
-47.0	209.7	6.183	194.4	6.375	344.2	5.628	363.7	5.727	217.9	11.47
-46.0	207.3	6.209	192.2	6.403	339.8	5.653	358.5	5.752	214.3	11.53
-45.0	204.9	6.235	190.1	6.431	335.6	5.677	353.4	5.776	210.7	11.58
-44.0	202.6	6.260	188.0	6.460	331.4	5.702	348.3	5.800	207.2	11.64
-43.0	200.3	6.286	185.9	6.488	327.3	5.726	343.4	5.825	203.7	11.70
-42.0	198.0	6.312	183.9	6.516	323.3	5.751	338.6	5.849	200.3	11.75
-41.0	195.7	6.337	181.9	6.545	319.4	5.775	333.9	5.873	197.0	11.81
-40.0	193.5	6.363	179.9	6.573	315.5	5.799	329.2	5.898	193.8	11.87
-39.0	191.3	6.389	178.0	6.602	311.7	5.824	324.7	5.922	190.6	11.93
-38.0	189.2	6.415	176.0	6.631	307.9	5.848	320.2	5.946	187.4	11.98
-37.0	187.1	6.440	174.2	6.660	304.2	5.873	315.8	5.970	184.3	12.04
-36.0	185.0	6.466	172.3	6.688	300.6	5.897	311.5	5.995	181.3	12.10
-35.0	182.9	6.492	170.5	6.717	297.1	5.921	307.3	6.019	178.3	12.16
-34.0	180.9	6.518	168.7	6.747	293.6	5.946	303.2	6.043	175.4	12.22
-33.0	178.9	6.544	166.9	6.776	290.1	5.970	299.1	6.067	172.5	12.28
-32.0	176.9	6.570	165.1	6.805	286.8	5.994	295.2	6.091	169.7	12.34
-31.0	175.0	6.596	163.4	6.834	283.4	6.019	291.3	6.116	166.9	12.40
-30.0	173.1	6.622	161.7	6.864	280.2	6.043	287.4	6.140	164.2	12.46
-29.0	171.2	6.648	160.0	6.893	277.0	6.067	283.6	6.164	161.5	12.53
-28.0	169.3	6.675	158.4	6.923	273.8	6.091	279.9	6.188	158.9	12.59
-27.0	167.5	6.701	156.8	6.953	270.7	6.115	276.3	6.212	156.3	12.65
-26.0	165.6	6.727	155.1	6.983	267.6	6.140	272.7	6.236	153.8	12.72
-25.0	163.9	6.754	153.6	7.013	264.6	6.164	269.2	6.260	151.3	12.78
-24.0	162.1	6.780	152.0	7.044	261.7	6.188	265.8	6.284	148.8	12.85
-23.0	160.3	6.807	150.5	7.074	258.8	6.212	262.4	6.308	146.4	12.91
-22.0	158.6	6.833	148.9	7.105	255.9	6.236	259.1	6.332	144.0	12.98
-21.0	156.9	6.860	147.4	7.136	253.1	6.261	255.8	6.356	141.6	13.05
-20.0	155.2	6.887	145.9	7.167	250.3	6.285	252.6	6.380	139.3	13.12
-19.0	153.6	6.914	144.5	7.198	247.6	6.309	249.4	6.405	137.1	13.18
-18.0	151.9	6.941	143.0	7.229	244.9	6.333	246.3	6.429	134.8	13.26
-17.0	150.3	6.968	141.6	7.261	242.2	6.357	243.3	6.453	132.6	13.33
-16.0	148.7	6.995	140.2	7.293	239.6	6.381	240.3	6.477	130.4	13.40
-15.0	147.2	7.022	138.8	7.325	237.0	6.405	237.3	6.501	128.3	13.47
-14.0	145.6	7.050	137.4	7.357	234.5	6.430	234.4	6.525	126.2	13.55
-13.0	144.1	7.077	136.1	7.390	232.0	6.454	231.6	6.549	124.1	13.63
-12.0	142.6	7.105	134.8	7.423	229.5	6.478	228.8	6.573	122.0	13.70
-11.0	141.1	7.132	133.4	7.456	227.1	6.502	226.0	6.597	120.0	13.78
-10.0	139.6	7.160	132.1	7.489	224.7	6.526	223.3	6.621	118.0	13.86
-9.0	138.1	7.188	130.8	7.523	222.3	6.550	220.6	6.646	116.1	13.95
-8.0	136.7	7.216	129.6	7.556	220.0	6.574	218.0	6.670	114.1	14.03
-7.0	135.2	7.245	128.3	7.591	217.7	6.599	215.4	6.694	112.2	14.12
-6.0	133.8	7.273	127.1	7.625	215.5	6.623	212.8	6.718	110.3	14.20
-5.0	132.4	7.302	125.8	7.660	213.2	6.647	210.3	6.742	108.4	14.30
-4.0	131.1	7.331	124.6	7.695	211.0	6.671	207.9	6.767	106.6	14.39
-3.0	129.7	7.360	123.4	7.730	208.9	6.695	205.4	6.791	104.8	14.48
-2.0	128.3	7.389	122.2	7.766	206.7	6.720	203.0	6.815	102.9	14.58
-1.0	127.0	7.418	121.1	7.802	204.6	6.744	200.7	6.840	101.2	14.68

Refprop ver.7.0より算出

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温度(°C)	粘度($\mu\text{Pa}\cdot\text{s}$)									
	R290		R1270		R600		R600a		R744	
	液体	気体	液体	気体	液体	気体	液体	気体	液体	気体
0.0	125.7	7.448	119.9	7.839	202.6	6.768	198.4	6.864	99.4	14.79
1.0	124.4	7.477	118.8	7.876	200.5	6.792	196.1	6.889	97.7	14.89
2.0	123.1	7.507	117.6	7.913	198.5	6.817	193.8	6.913	95.9	15.00
3.0	121.8	7.537	116.5	7.951	196.5	6.841	191.6	6.938	94.2	15.12
4.0	120.6	7.568	115.4	7.989	194.5	6.866	189.4	6.962	92.5	15.24
5.0	119.3	7.598	114.3	8.027	192.6	6.890	187.3	6.987	90.8	15.36
6.0	118.1	7.629	113.2	8.066	190.7	6.914	185.1	7.012	89.1	15.49
7.0	116.9	7.660	112.1	8.106	188.8	6.939	183.1	7.036	87.5	15.62
8.0	115.7	7.691	111.1	8.146	186.9	6.963	181.0	7.061	85.8	15.76
9.0	114.5	7.723	110.0	8.186	185.0	6.988	179.0	7.086	84.2	15.91
10.0	113.3	7.755	109.0	8.227	183.2	7.013	177.0	7.111	82.6	16.06
11.0	112.1	7.787	107.9	8.269	181.4	7.037	175.0	7.136	80.9	16.22
12.0	111.0	7.819	106.9	8.311	179.6	7.062	173.1	7.161	79.3	16.39
13.0	109.8	7.852	105.9	8.353	177.9	7.087	171.1	7.187	77.7	16.56
14.0	108.7	7.885	104.9	8.396	176.2	7.111	169.3	7.212	76.1	16.75
15.0	107.6	7.918	103.9	8.440	174.4	7.136	167.4	7.237	74.4	16.95
16.0	106.5	7.951	102.9	8.484	172.7	7.161	165.6	7.263	72.8	17.16
17.0	105.4	7.985	102.0	8.529	171.1	7.186	163.8	7.288	71.2	17.39
18.0	104.3	8.020	101.0	8.575	169.4	7.211	162.0	7.314	69.5	17.64
19.0	103.2	8.054	100.0	8.621	167.8	7.236	160.2	7.340	67.8	17.90
20.0	102.1	8.089	99.1	8.668	166.2	7.262	158.5	7.365	66.2	18.19
21.0	101.1	8.125	98.2	8.716	164.6	7.287	156.8	7.391	64.4	18.50
22.0	100.0	8.161	97.2	8.765	163.0	7.312	155.1	7.417	62.7	18.85
23.0	99.0	8.197	96.3	8.814	161.5	7.338	153.4	7.444	60.9	19.23
24.0	98.0	8.234	95.4	8.864	159.9	7.363	151.8	7.470	59.0	19.66
25.0	97.0	8.271	94.5	8.915	158.4	7.389	150.2	7.496	57.1	20.16
26.0	95.9	8.308	93.6	8.966	156.9	7.414	148.6	7.523	55.0	20.73
27.0	94.9	8.346	92.7	9.013	155.4	7.440	147.0	7.550	52.8	21.42
28.0	93.9	8.385	91.8	9.065	153.9	7.466	145.4	7.577	50.3	22.27
29.0	93.0	8.424	90.9	9.118	152.5	7.492	143.9	7.604	47.5	23.41
30.0	92.0	8.463	90.1	9.172	151.0	7.518	142.4	7.631	43.8	25.17
31.0	91.0	8.503	89.2	9.227	149.6	7.544	140.9	7.658		
32.0	90.1	8.544	88.3	9.283	148.2	7.571	139.4	7.686		
33.0	89.1	8.585	87.5	9.340	146.8	7.597	137.9	7.713		
34.0	88.2	8.627	86.6	9.398	145.4	7.624	136.5	7.741		
35.0	87.2	8.670	85.8	9.457	144.1	7.650	135.1	7.769		
36.0	86.3	8.713	84.9	9.518	142.7	7.677	133.7	7.798		
37.0	85.4	8.757	84.1	9.579	141.4	7.704	132.3	7.826		
38.0	84.5	8.801	83.3	9.642	140.1	7.731	130.9	7.855		
39.0	83.5	8.847	82.5	9.707	138.8	7.759	129.6	7.883		
40.0	82.6	8.893	81.6	9.772	137.5	7.786	128.2	7.913		
41.0	81.7	8.939	80.8	9.840	136.2	7.814	126.9	7.942		
42.0	80.9	8.987	80.0	9.908	134.9	7.841	125.6	7.971		
43.0	80.0	9.036	79.2	9.978	133.7	7.869	124.3	8.001		
44.0	79.1	9.085	78.4	10.05	132.4	7.897	123.0	8.031		
45.0	78.2	9.135	77.6	10.12	131.2	7.926	121.8	8.062		
46.0	77.3	9.187	76.8	10.20	130.0	7.954	120.5	8.092		
47.0	76.5	9.239	76.0	10.28	128.8	7.983	119.3	8.123		
48.0	75.6	9.292	75.2	10.36	127.6	8.012	118.1	8.154		
49.0	74.8	9.347	74.4	10.44	126.4	8.041	116.9	8.186		
50.0	73.9	9.402	73.6	10.52	125.2	8.070	115.7	8.218		
51.0	73.1	9.459	72.9	10.60	124.1	8.099	114.5	8.250		
52.0	72.2	9.517	72.1	10.69	122.9	8.129	113.4	8.282		
53.0	71.4	9.576	71.3	10.78	121.8	8.159	112.2	8.315		
54.0	70.6	9.637	70.5	10.87	120.6	8.189	111.1	8.348		
55.0	69.7	9.699	69.7	10.97	119.5	8.219	109.9	8.382		
56.0	68.9	9.763	69.0	11.07	118.4	8.250	108.8	8.416		
57.0	68.1	9.828	68.2	11.17	117.3	8.281	107.7	8.450		
58.0	67.2	9.895	67.4	11.27	116.2	8.312	106.6	8.485		
59.0	66.4	9.964	66.6	11.38	115.1	8.344	105.6	8.520		

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温度(°C)	粘度($\mu\text{Pa}\cdot\text{s}$)									
	R290		R1270		R600		R600a		R744	
	液体	気体	液体	気体	液体	気体	液体	気体	液体	気体
60.0	65.6	10.03	65.8	11.49	114.1	8.375	104.5	8.556		
61.0	64.8	10.11	65.1	11.60	113.0	8.407	103.4	8.592		
62.0	64.0	10.18	64.3	11.72	112.0	8.440	102.4	8.628		
63.0	63.1	10.26	63.5	11.84	110.9	8.472	101.3	8.665		
64.0	62.3	10.34	62.7	11.97	109.9	8.505	100.3	8.703		
65.0	61.5	10.42	61.9	12.10	108.9	8.539	99.3	8.741		
66.0	60.7	10.50	61.1	12.23	107.8	8.572	98.3	8.780		
67.0	59.9	10.59	60.3	12.37	106.8	8.606	97.3	8.819		
68.0	59.0	10.68	59.5	12.52	105.8	8.640	96.3	8.859		
69.0	58.2	10.77	58.7	12.67	104.8	8.675	95.3	8.899		
70.0	57.4	10.87	57.9	12.83	103.9	8.710	94.3	8.940		
71.0	56.6	10.97	57.1	12.99	102.9	8.746	93.4	8.982		
72.0	55.7	11.07	56.2	13.17	101.9	8.781	92.4	9.025		
73.0	54.9	11.18	55.4	13.34	100.9	8.818	91.5	9.068		
74.0	54.1	11.29	54.5	13.53	100.0	8.854	90.5	9.112		
75.0	53.2	11.40	53.7	13.73	99.0	8.891	89.6	9.156		
76.0	52.4	11.53	52.8	13.94	98.1	8.929	88.7	9.202		
77.0	51.5	11.65	51.9	14.16	97.2	8.967	87.8	9.248		
78.0	50.6	11.79	51.0	14.39	96.2	9.006	86.8	9.296		
79.0	49.8	11.93	50.0	14.63	95.3	9.045	85.9	9.344		
80.0	48.9	12.07	49.1	14.90	94.4	9.084	85.0	9.393		
81.0	48.0	12.23	48.1	15.18	93.5	9.124	84.1	9.443		
82.0	47.1	12.40	47.1	15.48	92.6	9.165	83.2	9.494		
83.0	46.1	12.57	46.0	15.80	91.7	9.206	82.4	9.546		
84.0	45.2	12.76	44.9	16.16	90.8	9.247	81.5	9.600		
85.0	44.2	12.96	43.8	16.55	89.9	9.290	80.6	9.654		
86.0	43.2	13.18	42.6	16.99	89.0	9.332	79.7	9.710		
87.0	42.2	13.41	41.3	17.48	88.2	9.376	78.9	9.767		
88.0	41.1	13.67	39.8	18.05	87.3	9.420	78.0	9.826		
89.0	40.0	13.95	38.2	18.73	86.4	9.465	77.1	9.885		
90.0	38.9	14.27	36.3	19.59	85.6	9.510	76.3	9.947		
91.0	37.7	14.63	33.9	20.77	84.7	9.557	75.4	10.01		
92.0	36.3	15.04	30.3	22.88	83.9	9.603	74.6	10.07		
93.0	34.9	15.53			83.0	9.651	73.7	10.14		
94.0	33.3	16.15			82.2	9.700	72.9	10.21		
95.0	31.3	16.97			81.3	9.749	72.0	10.28		
96.0	28.4	18.31			80.5	9.799	71.2	10.35		
97.0					79.7	9.850	70.4	10.42		
98.0					78.8	9.902	69.5	10.50		
99.0					78.0	9.954	68.7	10.58		
100.0					77.2	10.01	67.8	10.66		

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