Mixed refrigerant transport properties

Thermal conductivity (saturation)

Temperature	Thermal conductivity (W/m/K)							
°C	R-410A		R-407C		R-404A		R-507A	
	Saturated Liquid	Saturated Vapor	Saturated Liquid	Saturated Vapor	Saturated Liquid	Saturated Vapor	Saturated Liquid	Saturated Vapor
-70	0.1568	0.00718	0.1391	0.00647	0.1106	0.00734	0.1091	0.0074
-65	0.1537	0.00742	0.1362	0.00678	0.108	0.00766	0.1065	0.00772
-60	0.1506	0.00767	0.1333	0.00709	0.1054	0.008	0.104	0.00805
-55	0.1475	0.00793	0.1305	0.0074	0.1029	0.00834	0.1016	0.00839
-50	0.1444	0.00819	0.1277	0.00771	0.1004	0.00869	0.09914	0.00874
-45	0.1414	0.00846	0.1249	0.00804	0.09802	0.00905	0.09676	0.0091
-40	0.1384	0.00873	0.1221	0.00836	0.09564	0.00942	0.09442	0.00947
-35	0.1353	0.00902	0.1194	0.00869	0.0933	0.0098	0.09212	0.00984
-30	0.1323	0.00933	0.1167	0.00903	0.091	0.0102	0.08985	0.01023
-25	0.1293	0.00968	0.114	0.00937	0.08873	0.0106	0.08761	0.01064
-20	0.1263	0.01003	0.1114	0.00972	0.0865	0.01102	0.08541	0.01106
-15	0.1232	0.01041	0.1087	0.01009	0.08429	0.01146	0.08323	0.01149
-10	0.1202	0.01081	0.1061	0.01046	0.08211	0.01191	0.08107	0.01195
-5	0.1171	0.01125	0.1035	0.01085	0.07996	0.01239	0.07893	0.01242
0	0.114	0.01173	0.1009	0.01125	0.07782	0.01289	0.07681	0.01293
5	0.1109	0.01226	0.09825	0.01167	0.07571	0.01342	0.0747	0.01347
10	0.1077	0.01288	0.09564	0.01211	0.0736	0.01401	0.0726	0.01406
15	0.1045	0.01359	0.09303	0.01258	0.07151	0.01464	0.07051	0.0147
20	0.1013	0.01444	0.09042	0.01309	0.06942	0.01534	0.06842	0.01542
25	0.09797	0.01547	0.08779	0.01364	0.06734	0.01614	0.06633	0.01623
30	0.09461	0.01673	0.08515	0.01424	0.06524	0.01705	0.06424	0.01717
35	0.09118	0.01833	0.08249	0.01493	0.06314	0.01812	0.06213	0.01828
40	0.08765	0.02039	0.0798	0.0157	0.06103	0.01941	0.06001	0.01963
45	0.08402	0.02309	0.07708	0.01661	0.0589	0.021	0.05788	0.0213
50	0.08025	0.02673	0.07433	0.01769	0.05675	0.02303	0.05573	0.02347
55	0.07631	0.03185	0.07153	0.019	0.05461	0.02574	0.0536	0.02641
60	0.0722	0.03952	0.06868	0.02066	0.05256	0.0296	0.05163	0.03072
65	0.06843	0.05294	0.06579	0.02281	0.05103	0.03594	0.0505	0.0383
70			0.0629	0.02574				
75			0.06019	0.03001				
80			0.0585	0.03721				
85			0.06892	0.06434				
90								
95								

Thermal conductivity (saturation)

Temperature	Viscosity (μPa･s)							
°C	R-410A		R-407C		R-404A		R-507A	
	Saturated Liquid	Saturated Vapor	Saturated Liquid	Saturated Vapor	Saturated Liquid	Saturated Vapor	Saturated Liquid	Saturated Vapor
-70	409.1	8.991	563.3	8.419	473.1	8.079	465.2	8.169
-65	379.4	9.211	516.2	8.631	435.2	8.296	428.5	8.373
-60	353	9.427	475	8.836	401.8	8.507	396.1	8.577
-55	329.2	9.643	438.7	9.045	372.1	8.716	367.2	8.781
-50	307.7	9.859	406.5	9.253	345.4	8.924	341.2	8.986
-45	288	10.07	377.6	9.462	321.4	9.132	317.8	9.192
-40	270.1	10.29	351.6	9.67	299.6	9.342	296.5	9.4
-35	253.6	10.5	328	9.88	279.7	9.553	277.1	9.61
-30	238.3	10.74	306.6	10.09	261.5	9.767	259.2	9.823
-25	224.1	10.98	287	10.3	244.7	9.983	242.7	10.04
-20	210.9	11.24	268.9	10.52	229.2	10.2	227.4	10.26
-15	198.6	11.5	252.3	10.74	214.8	10.43	213.2	10.49
-10	187	11.76	236.8	10.97	201.4	10.65	199.9	10.72
-5	176.1	12.03	222.5	11.19	188.9	10.89	187.5	10.96
0	165.7	12.31	209.1	11.42	177.1	11.13	175.7	11.21
5	156	12.6	196.5	11.66	166	11.38	164.6	11.46
10	146.6	12.91	184.6	11.9	155.5	11.64	154.1	11.73
15	137.7	13.23	173.5	12.15	145.5	11.92	144.1	12.02
20	129.2	13.56	162.9	12.41	135.9	12.21	134.6	12.33
25	120.9	13.92	152.8	12.69	126.8	12.53	125.4	12.66
30	113	14.31	143.2	12.98	118	12.88	116.5	13.02
35	105.3	14.73	134	13.29	109.5	13.26	107.9	13.42
40	97.69	15.21	125.2	13.63	101.1	13.69	99.55	13.88
45	90.23	15.76	116.6	13.99	92.95	14.19	91.29	14.4
50	82.78	16.4	108.3	14.39	84.82	14.79	83.05	15.04
55	75.22	17.21	100.2	14.85	76.59	15.52	74.68	15.84
60	67.3	18.28	92.13	15.38	68.04	16.5	65.88	16.93
65	58.44	19.93	84.11	16.01	58.63	17.97	55.93	18.68
70			75.93	16.79				
75			67.33	17.84				
80			57.68	19.45				
85			43.89	45.4				
90								
95								