

TABLE I. SMOOTHED VALUES OF THERMAL CONDUCTIVITY FOR PURE GASES AND MIXTURES AT 75 C

GAS NO. 1,	.194 M/F	P, ATM.	DENSITY, G-MOLES/L	k x 10 ⁴ , CAL/CM SEC °C
1- 1		1.	3.50E-02	.657
1- 2		25.	8.81E-01	.684
1- 3		50.	1.77E-00	.713
1- 4		60.	2.12E-00	.725
1- 5		70.	2.48E-00	.737
1- 6		80.	2.84E-00	.750
1- 7		90.	3.19E-00	.762
1- 8		100.	3.54E-00	.776
1- 9		125.	4.41E-00	.810
1-10		150.	5.26E-00	.846
1-11		175.	6.08E-00	.883
1-12		200.	6.88E-00	.921
1-13		250.	8.36E-00	.998
1-14		300.	9.70E-00	1.08
1-15		400.	1.20E+01	1.23
1-16		500.	1.38E+01	1.38
1-17		750.	1.70E+01	1.73
1-18		1000.	1.91E+01	2.05
1-19		1500.	2.18E+01	2.62
1-20		2000.	2.38E+01	3.12
1-21		3000.	2.66E+01	3.99

S = .218, 1 ≤ P ≤ 3000

GAS NO. 2,	.367 M/F	P, ATM.	DENSITY, G-MOLES/L	k x 10 ⁴ , CAL/CM SEC °C
2- 1		1.	3.50E-02	.602
2- 2		25.	8.91E-01	.636
2- 3		50.	1.81E-00	.669
2- 4		60.	2.18E-00	.683
2- 5		70.	2.56E-00	.697
2- 6		80.	2.94E-00	.712
2- 7		90.	3.32E-00	.727
2- 8		100.	3.70E-00	.743
2- 9		125.	4.66E-00	.786
2-10		150.	5.60E-00	.834
2-11		175.	6.52E-00	.885
2-12		200.	7.41E-00	.938
2-13		250.	9.07E-00	1.04
2-14		300.	1.05E+01	1.15
2-15		400.	1.29E+01	1.33
2-16		500.	1.48E+01	1.49
2-17		750.	1.76E+01	1.89
2-18		1000.	1.91E+01	2.25
2-19		1500.	2.08E+01	2.86
2-20		2000.	2.19E+01	3.37
2-21		3000.	2.31E+01	4.22

S = .392, 1 ≤ P ≤ 3000