

TABLE I CONTINUED

GAS NO.	P , ATM.	DENSITY, G-MOLES/L	$k \times 10^4$, CAL/CM SEC °C
11, .598 M/F		NITROGEN, .402 M/F	ETHANE (ARGON CAL.)
11- 1	1.	3.49E-02	.674
11- 2	25.	8.98E-01	.711
11- 3	50.	1.84E-00	.752
11- 4	60.	2.23E-00	.770
11- 5	70.	2.62E-00	.789
11- 6	80.	3.01E-00	.809
11- 7	90.	3.41E-00	.830
11- 8	100.	3.80E-00	.852
11- 9	125.	4.79E-00	.911
11-10	150.	5.75E-00	.974
11-11	175.	6.67E-00	1.04
11-12	200.	7.54E-00	1.10
11-13	250.	9.06E-00	1.21
11-14	300.	1.03E+01	1.32
11-15	400.	1.23E+01	1.51
11-16	500.	1.37E+01	1.68
11-17	750.	*	2.04
11-18	1000.	*	2.37

S = .202, $1 \leq P \leq 493$; S = .338, $379 \leq P \leq 3000$

GAS NO.	P , ATM.	DENSITY, G-MOLES/L	$k \times 10^4$, CAL/CM SEC °C
12, .787 M/F		NITROGEN, .213 M/F	ETHANE (ARGON CAL.)
12- 1	1.	3.49E-02	.695
12- 2	25.	8.89E-01	.730
12- 3	50.	1.80E-00	.763
12- 4	60.	2.16E-00	.775
12- 5	70.	2.53E-00	.789
12- 6	80.	2.90E-00	.802
12- 7	90.	3.26E-00	.817
12- 8	100.	3.63E-00	.832
12- 9	125.	4.52E-00	.871
12-10	150.	5.39E-00	.912
12-11	175.	6.22E-00	.954
12-12	200.	7.01E-00	.996
12-13	250.	8.46E-00	1.08
12-14	300.	9.73E-00	1.16
12-15	400.	1.18E+01	1.33
12-16	500.	1.34E+01	1.48
12-17	750.	*	1.85
12-18	1000.	*	2.18

S = .181, $1 \leq P \leq 491$; S = .174, $378 \leq P \leq 3000$