

Tabla A.7 Gases<sup>a</sup>: propiedades térmicas

Gas	$T$ K	$k$ W/m K	$\rho$ kg/m <sup>3</sup>	$c_p$ J/kg K	$\mu \times 10^6$ kg/m s	$\nu \times 10^6$ m <sup>2</sup> /s	Pr
Aire (PE 82 K)	150	0.0158	2.355	1017	10.64	4.52	0.69
	200	0.0197	1.767	1009	13.59	7.69	0.69
	250	0.0235	1.413	1009	16.14	11.42	0.69
	260	0.0242	1.360	1009	16.63	12.23	0.69
	270	0.0249	1.311	1009	17.12	13.06	0.69
	280	0.0255	1.265	1008	17.60	13.91	0.69
	290	0.0261	1.220	1007	18.02	14.77	0.69
	300	0.0267	1.177	1005	18.43	15.66	0.69
	310	0.0274	1.141	1005	18.87	16.54	0.69
	320	0.0281	1.106	1006	19.29	17.44	0.69
	330	0.0287	1.073	1006	19.71	18.37	0.69
	340	0.0294	1.042	1007	20.13	19.32	0.69
	350	0.0300	1.012	1007	20.54	20.30	0.69
	360	0.0306	0.983	1007	20.94	21.30	0.69
	370	0.0313	0.956	1008	21.34	22.32	0.69
	380	0.0319	0.931	1008	21.75	23.36	0.69
	390	0.0325	0.906	1009	22.12	24.42	0.69
	400	0.0331	0.883	1009	22.52	25.50	0.69
	500	0.0389	0.706	1017	26.33	37.30	0.69
	600	0.0447	0.589	1038	29.74	50.50	0.69
	700	0.0503	0.507	1065	33.03	65.15	0.70
	800	0.0559	0.442	1089	35.89	81.20	0.70
	900	0.0616	0.392	1111	38.65	98.60	0.70
	1000	0.0672	0.354	1130	41.52	117.3	0.70
	1500	0.0926	0.235	1202	53.82	229.0	0.70
	2000	0.1149	0.176	1244	64.77	368.0	0.70
Amoníaco (PE 239.7 K)	250	0.0198	0.842	2200	8.20	9.70	0.91
	300	0.0246	0.703	2200	10.1	14.30	0.90
	400	0.0364	0.520	2270	13.8	26.60	0.86
	500	0.0511	0.413	2420	17.6	42.50	0.83
Argón (PE 77.4 K)	150	0.0096	3.28	527	12.5	3.80	0.68
	200	0.0125	2.45	525	16.3	6.65	0.68
	250	0.0151	1.95	523	19.7	10.11	0.68
	300	0.0176	1.622	521	22.9	14.1	0.68
	400	0.0223	1.217	520	28.6	23.5	0.67
	500	0.0265	0.973	520	33.7	34.6	0.66
	600	0.0302	0.811	520	38.4	47.3	0.66
	800	0.0369	0.608	520	46.6	76.6	0.66
	1000	0.0427	0.487	520	54.2	111.2	0.66
	1500	0.0551	0.324	520	70.6	218.0	0.67

(Continúa)