

Energia libera di Gibbs di formazione a P=1bar [KJ/mole]

		Ossigeno	Idrogeno	Azoto	Acqua	Monossido di Carbonio	Anidride Carbonica	Anidride solforosa	Anidride solforica	Metano	Monossido di azoto	Biossido di Azoto	Ammoniacia	Acido Solfidrico	Propano	Propilene	Etilene	Etano	lButene	Metanolo	nButano	1,3Butadiene	Etanol
		O ₂	H ₂	N ₂	H ₂ O	CO	CO ₂	SO ₂	SO ₃	CH ₄	NO	NO ₂	NH ₃	H ₂ S	C ₃ H ₈	C ₃ H ₆	C ₂ H ₄	C ₂ H ₆	C ₄ H ₈	CH ₃ OH	C ₄ H ₁₀	C ₄ H ₆	C ₂ H ₅ OH
Data Cp	A	3.639	3.249	3.28	3.47	3.376	5.457	5.699	8.06	1.072	3.387	4.982	3.578	3.931	1.213	1.637	1.424	1.131	1.967	2.211	1.935	2.734	8.948
	B	0.000506	0.000422	0.000593	0.00145	0.000557	0.001045	0.000801	1.06E-03	0.009081	0.000629	0.001195	0.00302	0.00149	0.028785	0.022706	0.014394	0.01923	0.03163	0.012216	0.036915	0.026786	0.003518
	C							0	0	-2.2E-06				0	-8.82E-06	-6.92E-06	-4.4E-06	-5.6E-06	-9.87E-06	-3.45E-06	-1.1E-05	-8.882E-06	-2E-05
	D	-22700	8300	4000	12100	-3100	-115700	-101500	-202800	0	1400	-79200	-18600	-23200	0	0	0	0	0	0	0	0	0
ΔG°_{f298} KJ/mole		0	0	0	-228.59	-137.156	-394.38	-300.194	-371.06	-50.79	86.595	51.24	-16.59	-33.56	-23.49	62.72	68.12	-32.89	70.34	-162.14	-15.17	149.8	-168.57
ΔH°_{f298} KJ/mole		0	0	0	-241.82	-110.53	-393.52	-296.842	-395.72	-74.85	90.29	33.1	-46.19	-20.63	-103.85	20.41	52.28	-84.68	-0.54	-200.89	-126.15	109.24	-235.31
t [°C]	T [K]	ΔG°_f	ΔG°_f	ΔG°_f	ΔG°_f	ΔG°_f	ΔG°_f	ΔG°_f	ΔG°_f	ΔG°_f	ΔG°_f	ΔG°_f	ΔG°_f	ΔG°_f	ΔG°_f	ΔG°_f	ΔG°_f	ΔG°_f	ΔG°_f	ΔG°_f	ΔG°_f	ΔG°_f	ΔG°_f
25	298	0.000	0.000	0.000	-228.590	-137.156	-394.380	-300.194	-371.060	-50.790	86.595	51.240	-16.590	-33.560	-23.490	62.720	68.120	-32.890	70.340	-162.140	-15.170	149.800	-168.570
50	323	-0.030	-0.029	-0.030	-227.514	-139.420	-394.491	-300.516	-369.044	-48.803	86.255	52.724	-14.143	-34.680	-16.826	66.202	69.403	-28.600	76.195	-158.937	-5.963	153.117	-163.072
100	373	-0.260	-0.252	-0.255	-225.555	-144.113	-394.935	-301.398	-365.320	-45.008	85.403	55.472	-9.458	-37.118	-3.960	72.771	71.700	-20.345	87.371	-152.808	11.844	159.250	-152.656
150	423	-0.695	-0.668	-0.677	-223.824	-149.006	-395.660	-302.574	-361.986	-41.446	84.349	57.949	-5.027	-39.798	8.309	78.830	73.652	-12.510	97.856	-147.029	28.863	164.743	-142.968
200	473	-1.313	-1.255	-1.275	-222.958	-154.075	-396.642	-304.019	-359.015	-38.107	83.115	60.178	-0.830	-42.695	19.998	84.397	75.273	-5.081	107.673	-141.583	45.120	169.622	-133.970
250	523	-2.097	-1.995	-2.029	-220.297	-159.304	-397.864	-305.711	-356.380	-34.982	81.718	62.178	3.150	-45.792	31.122	89.488	76.576	1.953	116.844	-136.654	60.637	173.912	-125.630
300	573	-3.033	-2.875	-2.928	-219.786	-164.679	-399.307	-307.632	-354.058	-32.065	80.173	63.967	6.927	-49.073	41.695	94.118	77.571	8.603	125.386	-131.630	75.433	177.632	-117.948
350	623	-4.109	-3.883	-3.958	-218.772	-170.188	-400.958	-309.766	-352.028	-29.349	78.492	65.559	10.514	-52.525	51.731	98.298	78.267	14.879	133.317	-127.099	89.528	180.803	-110.897
400	673	-5.316	-5.008	-5.111	-217.906	-175.820	-402.802	-312.097	-350.272	-26.831	76.685	66.967	13.921	-56.138	61.242	102.041	78.673	20.789	140.652	-122.850	102.938	183.440	-104.477
450	723	-6.644	-6.243	-6.377	-217.178	-181.569	-404.829	-314.614	-348.773	-24.504	74.760	68.201	17.155	-59.901	70.241	105.358	78.798	26.343	147.408	-118.876	115.681	185.560	-98.686
500	773	-8.085	-7.581	-7.750	-216.580	-187.425	-407.028	-317.306	-347.517	-22.364	72.724	69.271	20.225	-63.807	78.739	108.260	78.648	31.548	153.597	-115.168	127.772	187.178	-93.526
550	823	-9.635	-9.016	-9.225	-216.107	-193.385	-409.391	-320.164	-346.490	-20.407	70.584	70.186	23.136	-67.849	86.748	110.758	78.231	36.412	159.235	-111.717	139.227	188.309	-89.002
600	873	-11.286	-10.542	-10.794	-215.752	-199.440	-411.909	-323.179	-345.681	-18.628	68.345	70.954	25.895	-72.020	94.279	112.860	77.555	40.943	164.335	-108.518	150.061	188.966	-85.119
650	923	-13.033	-12.154	-12.454	-215.510	-205.588	-414.575	-326.342	-345.080	-17.025	66.012	71.580	28.506	-76.315	101.343	114.577	76.625	45.149	168.910	-105.562	160.289	189.162	-81.885
700	973	-14.872	-13.848	-14.201	-215.377	-211.824	-417.382	-329.649	-344.677	-15.593	63.590	72.071	30.975	-80.729	107.951	115.917	75.448	49.036	172.972	-102.844	169.924	188.910	-79.310
750	1023	-16.799	-15.621	-16.030	-215.348	-218.143	-420.326	-333.091	-344.464	-14.329	61.082	72.433	33.304	-85.258	114.113	116.891	74.030	52.612	176.535	-100.357	178.981	188.222	-77.403
800	1073	-18.811	-17.469	-17.938	-215.420	-224.542	-423.400	-336.664	-344.433	-13.230	58.493	72.670	35.499	-89.897	119.839	117.506	72.377	55.884	179.610	-98.095	187.474	187.111	-76.177
850	1123	-20.902	-19.388	-19.922	-215.590	-231.018	-426.599	-340.362	-344.576	-12.292	55.824	72.788	37.562	-94.642	125.141	117.772	70.496	58.858	182.209	-96.054	195.417	185.589	-75.643
900	1173	-23.072	-21.377	-21.979	-215.854	-237.568	-429.919	-344.181	-344.887	-11.511	53.080	72.789	39.496	-99.491	130.028	117.697	68.391	61.541	184.346	-94.227	202.823	183.666	-75.815
950	1223	-25.316	-23.432	-24.106	-216.210	-244.189	-433.356	-348.116	-345.361	-10.886	50.263	72.678	41.304	-104.441	134.510	117.290	66.070	63.941	186.030	-92.608	209.705	181.355	-76.706
1000	1273	-27.632	-25.551	-26.302	-216.655	-250.880	-436.907	-352.163	-345.991	-10.413	47.375	72.459	42.989	-109.488	138.597	116.559	63.536	66.063	187.275	-91.194	216.076	178.666	-78.331
1050	1323	-30.018	-27.733	-28.564	-217.188	-257.637	-440.567	-356.320	-346.773	-10.089	44.419	72.134	44.552	-114.630	142.300	115.512	60.796	67.913	188.091	-89.978	221.951	175.611	-80.705
1100	1373	-32.471	-29.974	-30.889	-217.805	-264.459	-444.333	-360.581	-347.702	-9.911	41.396	71.706	45.997	-119.864	145.628	114.157	57.856	69.500	188.491	-88.956	227.341	172.201	-83.842
1150	1423	-34.990	-32.273	-33.277	-218.505	-271.343	-448.203	-364.945	-348.773	-9.876	38.309	71.179	47.325	-125.189	148.592	112.503	54.720	70.828	188.485	-88.123	232.260	168.445	-87.758
1200	1473	-37.572	-34.628	-35.725	-219.285	-278.288	-452.174	-369.408	-349.982	-9.981	35.160	70.555	48.539	-130.602	151.200	110.558	51.394	71.905	188.085	-87.475	236.721	164.356	-92.470
1250	1523	-40.216	-37.038	-38.231	-220.145	-285.293	-456.242	-373.967	-351.325	-10.225	31.950	69.837	49.639	-136.101	153.463	108.329	47.883	72.737	187.302	-87.005	240.737	159.944	-97.994
1300	1573	-42.920	-39.501	-40.795	-221.083	-292.355	-460.406	-378.620	-352.800	-10.603	28.680	69.026	50.627	-141.685	155.391	105.826	44.193	73.329	186.148	-86.711	244.319	155.218	-104.346
1350	1623	-45.683	-42.016	-43.414	-222.096	-299.473	-464.663	-383.365	-354.402	-11.113	25.352	68.125	51.506	-147.351	156.992	103.054	40.328	73.689	184.632	-86.587	247.482	150.190	-111.544
1400	1673	-48.503	-44.582	-46.088	-223.185	-306.646	-469.012	-388.198	-356.128	-11.753	21.968	67.135	52.276	-153.099	158.278	100.023	36.294	73.823	182.767	-86.628	250.237	144.870	-119.604
1450	1723	-51.378	-47.196	-48.815	-224.346	-313.873	-473.449	-393.119	-357.975	-12.519	18.529	66.059	52.939	-158.927	159.257	96.740	32.096	73.736	180.564	-86.832	252.597	139.268	-128.543
1500	1773	-54.308	-49.859	-51.593	-225.580	-321.152	-477.973	-398.125	-359.940	-13.410	15.036	64.899	53.946	-164.832	159.939	93.213	27.738	73.435	178.033	-87.192	254.755	133.394	-138.800
1550	1823	-57.290	-52.568	-54.423	-226.884	-328.482	-482.583	-403.214	-362.021	-14.422	11.490	63.655	53.948	-170.815	160.334	89.450	23.227	72.926	175.185	-87.705	256.183	127.259	-149.133
1600	1873	-60.325	-55.324	-57.302	-228.259	-335.862	-487.276	-408.384	-364.216	-15.553	7.892	62.330	54.297	-176.874	160.451	85.458	18.567	72.215	172.032	-88.366	257.434	120.873	-160.818
1650	1923	-63.410	-58.124	-60.230	-229.701	-343.291	-492.052	-413.633	-366.521	-16.801	4.244	60.925	54.543	-183.007	160.299	81.245	13.762	71.309	168.584	-89.171	258.340	114.245	-173.544
1700	1973	-66.546	-60.968	-63.206	-231.212	-350.768	-496.907	-418.961	-368.934	-18.162	0.546	59.442	54.689	-189.213	159.889	76.819	8.819	70.213	164.851	-90.117	259.914	107.386	-187.060
1750	2023	-69.730	-63.855	-66.228	-232.789	-358.293	-501.842	-424.365	-371.454	-19.635	-3.201	57.882	54.733	-195.492	159.230	72.187	3.742	68.933	160.846	-9			