

Таблица 4.2.2. Термодинамические свойства пара лития
в однофазной области

	ед. измерения	online-calculation	mathcad-file
ρ	кг/м ³	>>>	>>>
h	кДж/кг	>>>	>>>
s	кДж/(кг · К)	>>>	>>>
c_p	кДж/(кг · К)	>>>	>>>

T, K	$p = 0.001 \text{ МПа}$				$p = 0.01 \text{ МПа}$			
	ρ	h	s	c_p	ρ	h	s	c_p
1200	$7.045 \cdot 10^{-4}$	26128	29.537	4.609	–	–	–	–
1300	$6.458 \cdot 10^{-4}$	26532	29.861	3.633	–	–	–	–
1400	$5.980 \cdot 10^{-4}$	26874	30.115	3.274	$6.126 \cdot 10^{-3}$	26513	27.129	5.406
1500	$5.574 \cdot 10^{-4}$	27193	30.335	3.129	$5.650 \cdot 10^{-3}$	26988	27.457	4.230
1600	$5.222 \cdot 10^{-4}$	27503	30.535	3.066	$5.265 \cdot 10^{-3}$	27379	27.709	3.661
1700	$4.913 \cdot 10^{-4}$	27808	30.720	3.036	$4.939 \cdot 10^{-3}$	27730	27.922	3.374
1800	$4.640 \cdot 10^{-4}$	28111	30.893	3.021	$4.655 \cdot 10^{-3}$	28059	28.110	3.222
1900	$4.395 \cdot 10^{-4}$	28412	31.056	3.013	$4.405 \cdot 10^{-3}$	28376	28.282	3.139
2000	$4.175 \cdot 10^{-4}$	28713	31.210	3.010	$4.182 \cdot 10^{-3}$	28688	28.441	3.092
2100	$3.976 \cdot 10^{-4}$	29015	31.357	3.012	$3.981 \cdot 10^{-3}$	28995	28.591	3.067
2200	$3.795 \cdot 10^{-4}$	29316	31.498	3.016	$3.981 \cdot 10^{-3}$	28995	28.591	3.067
2300	$3.630 \cdot 10^{-4}$	29618	31.632	3.024	$3.633 \cdot 10^{-3}$	29607	28.869	3.051
2400	$3.479 \cdot 10^{-4}$	29921	31.761	3.033	$3.481 \cdot 10^{-3}$	29912	28.999	3.053
2500	$3.339 \cdot 10^{-4}$	30225	31.885	3.046	$3.341 \cdot 10^{-3}$	30217	29.124	3.060
2600	$3.211 \cdot 10^{-4}$	30530	32.004	3.060	$3.212 \cdot 10^{-3}$	30524	29.244	3.072
2700	$3.092 \cdot 10^{-4}$	30837	32.120	3.077	$3.093 \cdot 10^{-3}$	30832	29.361	3.086
2800	$2.982 \cdot 10^{-4}$	31145	32.232	3.097	$2.982 \cdot 10^{-3}$	31141	29.473	3.104
2900	$2.879 \cdot 10^{-4}$	31456	32.342	3.118	$2.879 \cdot 10^{-3}$	31453	29.582	3.124
3000	$2.783 \cdot 10^{-4}$	31769	32.448	3.142	$2.783 \cdot 10^{-3}$	31766	29.689	3.146

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Продолжение таблицы 4.2.2

T, K	$p = 0.1 \text{ МПа}$				$p = 0.5 \text{ МПа}$			
	ρ	h	s	c_p	ρ	h	s	c_p
1600	$5.628 \cdot 10^{-2}$	26405	24.430	7.362	–	–	–	–
1700	$5.167 \cdot 10^{-2}$	27061	24.827	5.842	–	–	–	–
1800	$4.803 \cdot 10^{-2}$	27591	25.131	4.848	–	–	–	–
1900	$4.504 \cdot 10^{-2}$	28042	25.375	4.219	$2.429 \cdot 10^{-1}$	26958	22.980	6.748
2000	$4.250 \cdot 10^{-2}$	28443	25.581	3.823	$2.254 \cdot 10^{-1}$	27585	23.302	5.830
2100	$4.029 \cdot 10^{-2}$	28812	25.761	3.572	$2.110 \cdot 10^{-1}$	28131	23.568	5.125
2200	$3.834 \cdot 10^{-2}$	29160	25.923	3.411	$1.988 \cdot 10^{-1}$	28616	23.794	4.602
2300	$3.659 \cdot 10^{-2}$	29496	26.072	3.308	$1.884 \cdot 10^{-1}$	29056	23.990	4.222
2400	$3.501 \cdot 10^{-2}$	29823	26.211	3.243	$1.793 \cdot 10^{-1}$	29464	24.163	3.948
2500	$3.357 \cdot 10^{-2}$	30145	26.343	3.203	$1.711 \cdot 10^{-1}$	29848	24.320	3.751
2600	$3.225 \cdot 10^{-2}$	30464	26.468	3.181	$1.639 \cdot 10^{-1}$	30216	24.464	3.611
2700	$3.103 \cdot 10^{-2}$	30782	26.588	3.171	$1.639 \cdot 10^{-1}$	30216	24.464	3.611
2800	$2.990 \cdot 10^{-2}$	31099	26.703	3.171	$1.513 \cdot 10^{-1}$	30920	24.725	3.444
2900	$2.886 \cdot 10^{-2}$	31416	26.814	3.178	$1.457 \cdot 10^{-1}$	31262	24.845	3.399
3000	$2.789 \cdot 10^{-2}$	31735	26.922	3.190	$1.406 \cdot 10^{-1}$	31600	24.960	3.372

T, K	$p = 1 \text{ МПа}$				$p = 2 \text{ МПа}$			
	ρ	h	s	c_p	ρ	h	s	c_p
2000	$4.758 \cdot 10^{-1}$	26843	22.181	6.929	–	–	–	–
2100	$4.415 \cdot 10^{-1}$	27496	22.500	6.154	–	–	–	–
2200	$4.129 \cdot 10^{-1}$	28078	22.770	5.507	$8.745 \cdot 10^{-1}$	27294	21.671	6.380
2300	$3.888 \cdot 10^{-1}$	28602	23.003	4.980	$8.173 \cdot 10^{-1}$	27905	21.943	5.838
2400	$3.680 \cdot 10^{-1}$	29079	23.207	4.585	$7.685 \cdot 10^{-1}$	28464	22.181	5.368
2500	$3.499 \cdot 10^{-1}$	29522	23.387	4.276	$7.264 \cdot 10^{-1}$	28981	22.392	4.975
2600	$3.339 \cdot 10^{-1}$	29937	23.550	4.042	$6.897 \cdot 10^{-1}$	29462	22.581	4.654
2700	$3.196 \cdot 10^{-1}$	30332	23.699	3.866	$6.574 \cdot 10^{-1}$	29914	22.751	4.395
2800	$3.066 \cdot 10^{-1}$	30712	23.837	3.736	$6.285 \cdot 10^{-1}$	30343	22.907	4.190
2900	$2.949 \cdot 10^{-1}$	31080	23.967	3.641	$6.026 \cdot 10^{-1}$	30753	23.051	4.031
3000	$2.842 \cdot 10^{-1}$	31441	24.089	3.574	$5.792 \cdot 10^{-1}$	31150	23.186	3.909

T, K	$p = 5 \text{ МПа}$				$p = 10 \text{ МПа}$			
	ρ	h	s	c_p	ρ	h	s	c_p
2500	1.967	27893	20.984	5.803	–	–	–	–
2600	1.853	28457	21.205	5.485	–	–	–	–
2700	1.754	28991	21.407	5.196	3.769	28039	20.347	5.556
2800	1.666	29498	21.591	4.943	3.564	28584	20.546	5.353
2900	1.588	29981	21.761	4.725	3.382	29110	20.730	5.163
3000	1.518	30444	21.918	4.544	3.220	29618	20.902	4.995

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