

pentane

232.001617

72.14878

T	p	d	d	cp	cp	cv	cv	ThermalConductivity lambda	TCXK0 IMBD_c	TCXKB lambda_r	TCXKC lambda_c	dp_dd dpdd	dp_dd
K		kg/m ³	mol/l	kJ/kg·K	kJ/mol·K	kJ/kg·K	kJ/mol·K	W/mK				Mpa/(kg/m ³)	MPa/(mol/l)
145.00		0.000	0.00000	1.1006	79.4072	0.9854	71.0927	4.093828	4.09382773	8.02253E-08	to calculate p	0.016709966	1.205603628
145.00		765.000	10.60309	1.9672	141.9334	1.4489	104.5329	#Undefined	4.09382773	172.3397816	to calculate p	2.551459917	184.0847202
200.00		0.001	0.00001	1.2967	93.5540	1.1814	85.2371	6.960919	6.96083909	8.02253E-05	1.2501E-09	0.023045984	1.662739628
200.00		765.000	10.60309	1.9841	143.1517	1.5641	112.8482	#Undefined	6.96083909	175.629944	to calculate p	3.143897445	226.8283651
225.00		0.001	0.00001	1.3805	99.6002	1.2652	91.2840	8.481456	8.48137607	8.02253E-05	7.0079E-10	0.025927466	1.870635021
225.00		765.000	10.60309	2.0179	145.5878	1.6251	117.2462	#Undefined	8.48137607	176.5937289	to calculate p	3.375848335	243.5633388
273.15		0.001	0.00001	1.5602	112.5667	1.4449	104.2513	11.947051	11.9469707	8.02253E-05	3.08766E-10	0.03147684	2.271015572
273.15		700.000	9.70217	2.1290	153.6066	1.6963	122.3880	149.917692	11.9469707	137.970721	to calculate p	1.951410586	140.791893
298.15		0.001	0.00001	1.6637	120.0363	1.5485	111.7211	14.052795	14.0527152	8.02253E-05	2.26356E-10	0.034358034	2.478890236
298.15		2.000	0.02772	1.7030	122.8725	1.5670	113.0582	14.214459	14.0527152	0.160446942	0.001296974	0.032113972	2.316983887
298.15		5.000	0.06930	#Undefined	#Undefined	#Undefined	#Undefined	#Undefined	#Undefined	#Undefined	#Undefined	0.028685105	2.069595363
298.15	0.101325	620.828	8.60483	2.3152	167.0402	1.7333	125.0540	111.404990	14.0527152	97.30898978	0.043284971	0.766134453	55.27566608
298.15	3.370000	624.957	8.66206	2.3023	166.1097	1.7351	125.1849	113.242948	14.0527152	99.15272991	0.037502957	0.817249103	58.96352573
298.15		700.000	9.70217	2.1984	158.6137	1.7908	129.2024	151.649272	14.0527152	137.5965568	to calculate p	2.108130109	152.0990154
300.00		0.001	0.00001	1.6716	120.6049	1.5564	112.2897	14.216938	14.2168576	8.02253E-05	2.21752E-10	0.034571241	2.494272837
300.00		700.000	9.70217	2.2040	159.0185	1.7980	129.7266	151.788204	14.2168576	137.5713467	to calculate p	2.119400086	152.9121306
469.00		1.000	0.01386	2.4124	174.0514	2.2941	165.5191	33.046136	32.9658282	0.080224863	8.33652E-05	0.05344715	3.856146631
469.00		600.000	8.31615	2.8257	203.8706	2.4337	175.5887	118.161269	32.9658282	85.15644795	0.038992485	1.182603638	85.3234097
469.70		0.001	0.00001	2.4105	173.9132	2.2952	165.5985	33.054560	33.0544798	8.02253E-05	7.0581E-11	0.054128177	3.905281966
469.70		232.001617	3.21560	2467.8474	178052.1804	2.6697	192.6180	279.435490	33.0544798	16.54005428	229.8409556	9.64506E-06	0.000695879
469.70		600.000	8.31615	2.8280	204.0337	2.4365	175.7890	118.241310	33.0544798	85.14793174	0.03889883	1.184914592	85.49014225
470.00		0.001	0.00001	2.4117	174.0013	2.2965	165.6866	33.092571	33.0924912	8.02253E-05	7.04836E-11	0.05416275	3.907776356
470.00		232.001617	3.21560	327.1202	23601.3268	2.6688	192.5503	135.315574	33.0924912	16.5397468	85.68333634	7.33855E-05	0.005294676
470.00		600.000	8.31615	2.8289	204.1035	2.4377	175.8748	118.275640	33.0924912	85.1442897	0.038858724	1.18590444	85.56155853
500.00		0.001	0.00001	2.5313	182.6328	2.4161	174.3181	36.943799	36.9437185	8.02253E-05	6.14192E-11	0.057620033	4.157215091
500.00	0.101325	1.774	0.02458	2.5385	183.1507	2.4186	174.4968	37.086227	36.9437185	0.142279662	0.000228999	0.056644529	4.086833694
500.00	3.370000	90.894	1.25982	3.3020	238.2371	2.5429	183.4642	45.087457	36.9437185	7.034884843	1.108853985	0.021229286	1.53166708
500.00		600.000	8.31615	2.9253	211.0584	2.5542	184.2859	121.780789	36.9437185	84.80215643	0.034914455	1.283277266	92.58688917
600.00		0.001	0.00001	2.8939	208.7892	2.7786	200.4746	50.299870	50.2997898	8.02253E-05	3.72363E-11	0.069144279	4.988675338
600.00		600.000	8.31615	3.2315	233.1513	2.9087	209.8570	134.230113	50.2997898	83.90880847	0.02151442	1.5889899	114.6436827