

Lead carbonate

Other names:	cerussite
	lead(II) carbonate
Inchi:	InChI=1S/CH2O3.Pb/c2-1(3)4;/h(H2,2,3,4);/q;+2/p-2
InchiKey:	MFEVGQHCVXMER-UHFFFAOYSA-L
Formula:	CO3Pb
SMILES:	O=C1O[PbH2]O1
Mol. weight [g/mol]:	267.20

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cps	1.05	J/molxK	10.01	The heat capacity and thermodynamic functions of cerussite
cps	1.29	J/molxK	10.57	The heat capacity and thermodynamic functions of cerussite
cps	1.33	J/molxK	10.68	The heat capacity and thermodynamic functions of cerussite
cps	1.69	J/molxK	11.46	The heat capacity and thermodynamic functions of cerussite
cps	1.75	J/molxK	11.57	The heat capacity and thermodynamic functions of cerussite
cps	2.16	J/molxK	12.36	The heat capacity and thermodynamic functions of cerussite
cps	2.22	J/molxK	12.47	The heat capacity and thermodynamic functions of cerussite

cps	2.65	J/molxK	13.27	The heat capacity and thermodynamic functions of cerussite
cps	2.75	J/molxK	13.38	The heat capacity and thermodynamic functions of cerussite
cps	3.24	J/molxK	14.19	The heat capacity and thermodynamic functions of cerussite
cps	3.33	J/molxK	14.31	The heat capacity and thermodynamic functions of cerussite
cps	3.87	J/molxK	15.13	The heat capacity and thermodynamic functions of cerussite
cps	3.96	J/molxK	15.25	The heat capacity and thermodynamic functions of cerussite
cps	4.51	J/molxK	16.07	The heat capacity and thermodynamic functions of cerussite
cps	4.59	J/molxK	16.20	The heat capacity and thermodynamic functions of cerussite
cps	5.16	J/molxK	17.03	The heat capacity and thermodynamic functions of cerussite
cps	5.28	J/molxK	17.16	The heat capacity and thermodynamic functions of cerussite
cps	5.90	J/molxK	17.99	The heat capacity and thermodynamic functions of cerussite
cps	6.01	J/molxK	18.12	The heat capacity and thermodynamic functions of cerussite

cps	6.64	J/molxK	18.95	The heat capacity and thermodynamic functions of cerussite
cps	6.75	J/molxK	19.09	The heat capacity and thermodynamic functions of cerussite
cps	7.37	J/molxK	19.93	The heat capacity and thermodynamic functions of cerussite
cps	7.47	J/molxK	20.06	The heat capacity and thermodynamic functions of cerussite
cps	8.52	J/molxK	21.41	The heat capacity and thermodynamic functions of cerussite
cps	8.64	J/molxK	21.54	The heat capacity and thermodynamic functions of cerussite
cps	10.08	J/molxK	23.39	The heat capacity and thermodynamic functions of cerussite
cps	10.19	J/molxK	23.53	The heat capacity and thermodynamic functions of cerussite
cps	11.68	J/molxK	25.40	The heat capacity and thermodynamic functions of cerussite
cps	13.32	J/molxK	27.41	The heat capacity and thermodynamic functions of cerussite
cps	14.96	J/molxK	29.43	The heat capacity and thermodynamic functions of cerussite
cps	16.55	J/molxK	31.45	The heat capacity and thermodynamic functions of cerussite

cps	18.13	J/molxK	33.46	The heat capacity and thermodynamic functions of cerussite
cps	19.73	J/molxK	35.48	The heat capacity and thermodynamic functions of cerussite
cps	20.70	J/molxK	36.70	The heat capacity and thermodynamic functions of cerussite
cps	21.32	J/molxK	37.49	The heat capacity and thermodynamic functions of cerussite
cps	22.12	J/molxK	38.50	The heat capacity and thermodynamic functions of cerussite
cps	23.65	J/molxK	40.51	The heat capacity and thermodynamic functions of cerussite
cps	25.25	J/molxK	42.52	The heat capacity and thermodynamic functions of cerussite
cps	26.66	J/molxK	44.53	The heat capacity and thermodynamic functions of cerussite
cps	28.07	J/molxK	46.54	The heat capacity and thermodynamic functions of cerussite
cps	29.49	J/molxK	48.55	The heat capacity and thermodynamic functions of cerussite
cps	30.94	J/molxK	50.55	The heat capacity and thermodynamic functions of cerussite
cps	32.41	J/molxK	52.55	The heat capacity and thermodynamic functions of cerussite

cps	33.80	J/molxK	54.56	The heat capacity and thermodynamic functions of cerussite
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cps	37.48	J/molxK	60.52	The heat capacity and thermodynamic functions of cerussite
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cps	42.35	J/molxK	69.27	The heat capacity and thermodynamic functions of cerussite
cps	43.59	J/molxK	71.59	The heat capacity and thermodynamic functions of cerussite
cps	45.09	J/molxK	74.62	The heat capacity and thermodynamic functions of cerussite
cps	46.51	J/molxK	77.67	The heat capacity and thermodynamic functions of cerussite

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cps	47.85	J/molxK	80.72	The heat capacity and thermodynamic functions of cerussite
cps	48.90	J/molxK	83.04	The heat capacity and thermodynamic functions of cerussite
cps	50.14	J/molxK	86.10	The heat capacity and thermodynamic functions of cerussite
cps	51.33	J/molxK	89.18	The heat capacity and thermodynamic functions of cerussite
cps	52.45	J/molxK	92.25	The heat capacity and thermodynamic functions of cerussite
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cps	55.50	J/molxK	101.53	The heat capacity and thermodynamic functions of cerussite
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cps	58.11	J/molxK	110.87	The heat capacity and thermodynamic functions of cerussite

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cps	59.63	J/molxK	117.14	The heat capacity and thermodynamic functions of cerussite
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cps	62.50	J/molxK	129.77	The heat capacity and thermodynamic functions of cerussite
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cps	63.79	J/molxK	136.13	The heat capacity and thermodynamic functions of cerussite
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cps	69.49	J/molxK	168.31	The heat capacity and thermodynamic functions of cerussite
cps	70.05	J/molxK	171.58	The heat capacity and thermodynamic functions of cerussite
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cps	70.92	J/molxK	178.14	The heat capacity and thermodynamic functions of cerussite
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cps	81.20	J/molxK	257.23	The heat capacity and thermodynamic functions of cerussite
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cps	81.42	J/molxK	258.31	The heat capacity and thermodynamic functions of cerussite
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cps	82.66	J/molxK	266.56	The heat capacity and thermodynamic functions of cerussite
cps	83.22	J/molxK	266.78	The heat capacity and thermodynamic functions of cerussite
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cps	83.34	J/molxK	267.12	The heat capacity and thermodynamic functions of cerussite
cps	82.40	J/molxK	267.27	The heat capacity and thermodynamic functions of cerussite
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cps	83.00	J/molxK	267.85	The heat capacity and thermodynamic functions of cerussite
cps	82.62	J/molxK	267.95	The heat capacity and thermodynamic functions of cerussite
cps	82.76	J/molxK	268.01	The heat capacity and thermodynamic functions of cerussite
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cps	82.71	J/molxK	268.63	The heat capacity and thermodynamic functions of cerussite

cps	83.96	J/molxK	269.07	The heat capacity and thermodynamic functions of cerussite
cps	83.00	J/molxK	269.07	The heat capacity and thermodynamic functions of cerussite
cps	82.90	J/molxK	269.31	The heat capacity and thermodynamic functions of cerussite
cps	83.98	J/molxK	269.73	The heat capacity and thermodynamic functions of cerussite
cps	84.22	J/molxK	269.75	The heat capacity and thermodynamic functions of cerussite
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cps	83.50	J/molxK	270.14	The heat capacity and thermodynamic functions of cerussite
cps	84.12	J/molxK	270.38	The heat capacity and thermodynamic functions of cerussite
cps	83.45	J/molxK	270.68	The heat capacity and thermodynamic functions of cerussite
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cps	94.33	J/molxK	273.10	The heat capacity and thermodynamic functions of cerussite
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cps	86.34	J/molxK	273.76	The heat capacity and thermodynamic functions of cerussite

cps	85.21	J/molxK	274.21	The heat capacity and thermodynamic functions of cerussite
cps	85.11	J/molxK	274.36	The heat capacity and thermodynamic functions of cerussite
cps	85.57	J/molxK	274.43	The heat capacity and thermodynamic functions of cerussite
cps	84.78	J/molxK	274.92	The heat capacity and thermodynamic functions of cerussite
cps	85.53	J/molxK	275.09	The heat capacity and thermodynamic functions of cerussite
cps	85.37	J/molxK	275.43	The heat capacity and thermodynamic functions of cerussite
cps	85.08	J/molxK	275.61	The heat capacity and thermodynamic functions of cerussite
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cps	86.06	J/molxK	276.44	The heat capacity and thermodynamic functions of cerussite
cps	85.96	J/molxK	276.47	The heat capacity and thermodynamic functions of cerussite

cps	86.54	J/molxK	276.49	The heat capacity and thermodynamic functions of cerussite
cps	85.66	J/molxK	276.98	The heat capacity and thermodynamic functions of cerussite
cps	85.86	J/molxK	277.13	The heat capacity and thermodynamic functions of cerussite
cps	87.21	J/molxK	277.55	The heat capacity and thermodynamic functions of cerussite
cps	85.56	J/molxK	277.67	The heat capacity and thermodynamic functions of cerussite
cps	86.13	J/molxK	277.80	The heat capacity and thermodynamic functions of cerussite
cps	85.61	J/molxK	278.35	The heat capacity and thermodynamic functions of cerussite
cps	85.51	J/molxK	278.49	The heat capacity and thermodynamic functions of cerussite
cps	85.33	J/molxK	278.57	The heat capacity and thermodynamic functions of cerussite
cps	85.79	J/molxK	278.64	The heat capacity and thermodynamic functions of cerussite
cps	84.80	J/molxK	279.04	The heat capacity and thermodynamic functions of cerussite
cps	84.95	J/molxK	279.16	The heat capacity and thermodynamic functions of cerussite

cps	85.02	J/molxK	279.34	The heat capacity and thermodynamic functions of cerussite
cps	85.51	J/molxK	279.74	The heat capacity and thermodynamic functions of cerussite
cps	84.58	J/molxK	279.74	The heat capacity and thermodynamic functions of cerussite
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cps	84.40	J/molxK	280.51	The heat capacity and thermodynamic functions of cerussite
cps	84.45	J/molxK	280.87	The heat capacity and thermodynamic functions of cerussite
cps	84.41	J/molxK	281.17	The heat capacity and thermodynamic functions of cerussite
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cps	84.71	J/molxK	282.22	The heat capacity and thermodynamic functions of cerussite
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cps	85.16	J/molxK	283.98	The heat capacity and thermodynamic functions of cerussite
cps	85.29	J/molxK	284.55	The heat capacity and thermodynamic functions of cerussite
cps	85.43	J/molxK	284.68	The heat capacity and thermodynamic functions of cerussite
cps	85.19	J/molxK	285.39	The heat capacity and thermodynamic functions of cerussite
cps	85.27	J/molxK	286.07	The heat capacity and thermodynamic functions of cerussite
cps	85.41	J/molxK	286.75	The heat capacity and thermodynamic functions of cerussite
cps	85.38	J/molxK	287.43	The heat capacity and thermodynamic functions of cerussite
cps	85.63	J/molxK	287.49	The heat capacity and thermodynamic functions of cerussite
cps	85.33	J/molxK	288.12	The heat capacity and thermodynamic functions of cerussite

cps	85.51	J/molxK	288.80	The heat capacity and thermodynamic functions of cerussite
cps	85.71	J/molxK	289.49	The heat capacity and thermodynamic functions of cerussite
cps	86.00	J/molxK	290.41	The heat capacity and thermodynamic functions of cerussite
cps	86.40	J/molxK	293.33	The heat capacity and thermodynamic functions of cerussite
cps	86.78	J/molxK	296.23	The heat capacity and thermodynamic functions of cerussite
cps	87.18	J/molxK	299.12	The heat capacity and thermodynamic functions of cerussite
cps	87.59	J/molxK	302.00	The heat capacity and thermodynamic functions of cerussite
cps	87.95	J/molxK	304.88	The heat capacity and thermodynamic functions of cerussite
cps	88.29	J/molxK	307.76	The heat capacity and thermodynamic functions of cerussite
cps	88.63	J/molxK	310.62	The heat capacity and thermodynamic functions of cerussite
cps	89.00	J/molxK	313.49	The heat capacity and thermodynamic functions of cerussite
cps	89.34	J/molxK	316.35	The heat capacity and thermodynamic functions of cerussite

Sources

NIST Webbook: <http://webbook.nist.gov/cgi/cbook.cgi?ID=B6000505&Units=SI>

The heat capacity and thermodynamic functions of cerussite: <https://www.doi.org/10.1016/j.jct.2011.10.014>

Legend

cps: Solid phase heat capacity

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