

Lead oxide

Other names:	lead monoxide
Inchi:	InChI=1S/O.Pb
InchiKey:	YEXPOXQUZXUXJW-UHFFFAOYSA-N
Formula:	OPb
SMILES:	O=[PbH2]
Mol. weight [g/mol]:	223.20
CAS:	1317-36-8

Physical Properties

Property code	Value	Unit	Source
ea	0.72 ± 0.01	eV	NIST Webbook
ie	9.10 ± 0.10	eV	NIST Webbook
ie	9.40 ± 0.30	eV	NIST Webbook
ie	9.50 ± 0.40	eV	NIST Webbook
ie	9.08 ± 0.10	eV	NIST Webbook
ie	9.10 ± 0.50	eV	NIST Webbook
ie	9.00 ± 0.50	eV	NIST Webbook

Correlations

Information	Value
Property code	pvap
Equation	$\ln(P_{vp}) = A + B/(T + C)$
Coeff. A	1.92651e+01
Coeff. B	-2.49147e+04
Coeff. C	-4.61200e+01
Temperature range (K), min.	1216.15
Temperature range (K), max.	1747.15

Sources

NIST Webbook:

<http://webbook.nist.gov/cgi/cbook.cgi?ID=C1317368&Units=SI>

The Yaws Handbook of Vapor Pressure:

<https://www.sciencedirect.com/book/9780128029992/the-yaws-handbook-of-vapor-pressure>

Legend

ea: Electron affinity
ie: Ionization energy
pvap: Vapor pressure

Latest version available from:

<https://www.chemeo.com/cid/27-952-5/Lead-oxide.pdf>

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