holmium

Inchi: InChI=1S/Ho
InchiKey: KJZYNXUDTRRSPN-UHFFFAOYSA-N
Formula: Ho
SMILES: [Ho]
Mol. weight [g/mol]: 164.93
CAS: 7440-60-0

Physical Properties

Property code	Value	Unit	Source
ie	6.02 ± 0.00	eV	NIST Webbook
ie	6.02	eV	NIST Webbook
ie	6.02 ± 0.00	eV	NIST Webbook
ie	6.02 ± 0.00	eV	NIST Webbook
ie	6.02 ± 0.00	eV	NIST Webbook
ie	6.02 ± 0.00	eV	NIST Webbook
ie	6.10 ± 0.60	eV	NIST Webbook
ie	6.00 ± 0.10	eV	NIST Webbook
ie	5.80 ± 0.20	eV	NIST Webbook
ie	5.89 ± 0.03	eV	NIST Webbook
ie	5.85 ± 0.10	eV	NIST Webbook
ie	6.02 ± 0.02	eV	NIST Webbook
ie	6.08 ± 0.09	eV	NIST Webbook
ie	6.19 ± 0.02	eV	NIST Webbook

Correlations

Information	Value
Property code	pvap
Equation	ln(Pvp) = A + B/(T + C)
Coeff. A	1.33238e+01
Coeff. B	-2.35472e+04
Coeff. C	-2.68270e+02
Temperature range (K), min.	1432.15
Temperature range (K), max.	2973.15

Sources

Thermodynamic stability of RNi2 Laves phases:	https://www.doi.org/10.1016/j.jct.2013.05.044
Investigation in the variation of Gibbs energy of formation of RE6UO12 (RE = La, Nd, Sm, Eu, Gd, Tb, Dy, Ho, Tm, Yb, (Ln = Dy, Ho, Er series:	https://www.doi.org/10.1016/j.jct.2019.06.030
Thermodynamic studies on LnCrO3(s) (Ln = La, Nd, Sm, Eu, Gd, Tb, Dy, Ho, Er, Tm, Yb, and Lu) by solid-state electrochemical cells:	https://www.doi.org/10.1016/j.tca.2008.09.023
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C7440600&Units=SI
The Yaws Handbook of Vapor Pressure:	https://www.sciencedirect.com/book/9780128029992/the-yaws-handbook-of-vapor-pressure

Legend

ie:	Ionization energy
pvap:	Vapor pressure