Praseodymium

Inchi: InChI=1S/Pr
InchiKey: PUDIUYLPXJFUGB-UHFFFAOYSA-N
Formula: Pr
SMILES: [Pr]
Mol. weight [g/mol]: 140.91
CAS: 7440-10-0

Physical Properties

Property code	Value	Unit	Source
ie	5.46 ± 0.01	eV	NIST Webbook
ie	5.46	eV	NIST Webbook
ie	5.46	eV	NIST Webbook
ie	5.46 ± 0.01	eV	NIST Webbook
ie	5.46 ± 0.01	eV	NIST Webbook
ie	5.40 ± 0.10	eV	NIST Webbook
ie	5.40 ± 0.05	eV	NIST Webbook
ie	5.61 ± 0.12	eV	NIST Webbook
ie	5.42 ± 0.02	eV	NIST Webbook
ie	5.60 ± 0.20	eV	NIST Webbook
ie	5.48 ± 0.01	eV	NIST Webbook

Correlations

Information	Value
Property code	pvap
Equation	ln(Pvp) = A + B/(T + C)
Coeff. A	1.35980e+01
Coeff. B	-3.23070e+04
Coeff. C	-1.95350e+02
Temperature range (K), min.	1770.85
Temperature range (K), max.	3793.15

Sources

Cheméo Relay (1.0):	
Cheméo Relay (1.0, beta):	
Thermodynamic stability of RNi2 Laves phases:	https://www.doi.org/10.1016/j.jct.2013.05.044
The Yaws Handbook of Vapor Pressure:	https://www.sciencedirect.com/book/9780128029992/the-yaws-handbook-of-vapor-pressure
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C7440100&Units=SI

Legend

ie:	Ionization energy
pvap:	Vapor pressure