strontium

Inchi: InChI=1S/Sr
InchiKey: CIOAGBVUUVVLOB-UHFFFAOYSA-N
Formula: Sr
SMILES: [Sr]
Mol. weight [g/mol]: 87.62
CAS: 7440-24-6

Physical Properties

Property code	Value	Unit	Source
ea	0.05 ± 0.00	eV	NIST Webbook
ea	0.05 ± 0.01	eV	NIST Webbook
ie	5.69 ± 0.00	eV	NIST Webbook
ie	5.69	eV	NIST Webbook
ie	5.50 ± 0.50	eV	NIST Webbook
ie	5.50 ± 0.30	eV	NIST Webbook
ie	5.50	eV	NIST Webbook
ie	5.70	eV	NIST Webbook
ie	5.69 ± 0.00	eV	NIST Webbook

Correlations

Information	Value
Property code	pvap
Equation	ln(Pvp) = A + B/(T + C)
Coeff. A	1.37170e+01
Coeff. B	-1.41118e+04
Coeff. C	-1.04180e+02
Temperature range (K), min.	796.15
Temperature range (K), max.	1655.15

Sources

Thermochemistry of Potassium Strontium Tetraborate Decahydrated:	https://www.doi.org/10.1016/j.tca.2007.08.004
Thermodynamic investigation of thorium and strontium substituted monazite solid-solution:	https://www.doi.org/10.1016/j.tca.2019.01.031
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C7440246&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