

selenium

Other names:	Selenium atom
Inchi:	InChI=1S/Se
InchiKey:	BUGBHKTXTAQXES-UHFFFAOYSA-N
Formula:	Se
SMILES:	[Se]
Mol. weight [g/mol]:	78.96
CAS:	7782-49-2

Physical Properties

Property code	Value	Unit	Source
ea	2.02	eV	NIST Webbook
ea	2.02 ± 0.00	eV	NIST Webbook
ie	9.75	eV	NIST Webbook
ie	9.75	eV	NIST Webbook
ie	9.75	eV	NIST Webbook
ie	9.75	eV	NIST Webbook
pc	27155.10 ± 271.33	kPa	NIST Webbook
rhoc	1234.93 ± 1.23	kg/m ³	NIST Webbook
tc	1766.00 ± 1.76	K	NIST Webbook

Sources

Thermodynamic stability of AuSe at temperature from (400 to 700) K by a solid state and thermodynamic investigation of zinc and cadmium hydroselenites:

<https://www.doi.org/10.1016/j.jct.2013.11.031>

<https://www.doi.org/10.1016/j.jct.2017.07.020>

<http://webbook.nist.gov/cgi/cbook.cgi?ID=C7782492&Units=SI>

Legend

ea:	Electron affinity
ie:	Ionization energy
pc:	Critical Pressure

rhoc: Critical density
tc: Critical Temperature

Latest version available from:

<https://www.chemeo.com/cid/14-871-9/selenium.pdf>

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