hafnium

Other names:	hafnium element
Inchi:	InChI=1S/Hf
InchiKey:	VBJZVLUMGGDVMO-UHFFFAOYSA-N
Formula:	Hf
SMILES:	[Hf]
Mol. weight [g/mol]:	178.49
CAS:	7440-58-6

Physical Properties

Property code	Value	Unit	Source
ie	6.83 ± 0.00	eV	NIST Webbook
ie	6.83	eV	NIST Webbook
ie	6.83 ± 0.00	eV	NIST Webbook
ie	6.65 ± 0.10	eV	NIST Webbook
ie	6.70 ± 0.10	eV	NIST Webbook
tt	2004.00	K	Thermophysical Properties of Solid Phase Hafnium at High Temperatures

Correlations

Information	Value
Property code	pvap
Equation	ln(Pvp) = A + B/(T + C)
Coeff. A	1.88577e+01
Coeff. B	-6.96139e+04
Coeff. C	1.26700e+01
Temperature range (K), min.	2689.15
Temperature range (K), max.	4876.15

Sources

Thermophysical Properties of Solid Phase Hafnium at High Temperatures: https://www.doi.org/10.1007/s10765-006-0045-2

NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C7440586&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
tt:	Triple Point Temperature

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https://www.chemeo.com/cid/57-600-2/hafnium.pdf

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