

americium

Inchi:	InChI=1S/Am
InchiKey:	LXQXZNRPTYVCNG-UHFFFAOYSA-N
Formula:	Am
SMILES:	[Am]
Mol. weight [g/mol]:	243.00
CAS:	7440-35-9

Physical Properties

Property code	Value	Unit	Source
ie	5.97 ± 0.00	eV	NIST Webbook
ie	5.97 ± 0.00	eV	NIST Webbook
ie	5.99	eV	NIST Webbook
ie	5.96 ± 0.14	eV	NIST Webbook
ie	5.99 ± 0.01	eV	NIST Webbook
ie	5.99 ± 0.01	eV	NIST Webbook
ie	6.00	eV	NIST Webbook

Correlations

Information	Value
Property code	pvap
Equation	$\ln(P_{vp}) = A + B/(T + C)$
Coeff. A	1.97785e+01
Coeff. B	-3.30644e+04
Temperature range (K), min.	1239.00
Temperature range (K), max.	1356.00

Sources

The Yaws Handbook of Vapor
Pressure:
NIST Webbook:

<https://www.sciencedirect.com/book/9780128029992/the-yaws-handbook-of-vapor-pressure>
<http://webbook.nist.gov/cgi/cbook.cgi?ID=C7440359&Units=SI>

Legend

ie: Ionization energy

pvap: Vapor pressure

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<https://www.cheméo.com/cid/70-535-0/americium.pdf>

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