

# plutonium

**Inchi:** InChI=1S/Pu  
**InchiKey:** OYEHPCDENVJXUIW-UHFFFAOYSA-N  
**Formula:** Pu  
**SMILES:** [Pu]  
**Mol. weight [g/mol]:** 244.00  
**CAS:** 7440-07-5

## Physical Properties

Property code	Value	Unit	Source
ie	6.03 ± 0.00	eV	NIST Webbook
ie	6.03 ± 0.00	eV	NIST Webbook
ie	6.02 ± 0.00	eV	NIST Webbook
ie	6.06	eV	NIST Webbook
ie	6.03 ± 0.10	eV	NIST Webbook
ie	6.06 ± 0.03	eV	NIST Webbook
ie	6.06 ± 0.02	eV	NIST Webbook
ie	5.80	eV	NIST Webbook
ie	5.71 ± 0.06	eV	NIST Webbook

## Correlations

Information	Value
Property code	pvap
Equation	$\ln(P_{vp}) = A + B/(T + C)$
Coeff. A	1.66054e+01
Coeff. B	-4.26715e+04
Coeff. C	5.86300e+01
Temperature range (K), min.	1756.15
Temperature range (K), max.	3501.15

# 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=C7440075&Units=SI>

## Legend

**ie:** Ionization energy

**pvap:** Vapor pressure

Latest version available from:

<https://www.chemeo.com/cid/45-383-7/plutonium.pdf>

Generated by Cheméo on 2024-04-20 02:03:12.841400657 +0000 UTC m=+15867841.761977970.

Cheméo (<https://www.chemeo.com>) is the biggest free database of chemical and physical data for the process industry.