

Astatine

Inchi: InChI=1S/At
InchiKey: RYXHOMYVWAEKHL-UHFFFAOYSA-N
Formula: At
SMILES: [At]
Mol. weight [g/mol]: 210.00
CAS: 7440-68-8

Physical Properties

| Property code | Value | Unit | Source |
|---------------|-------------|------|--------------|
| ie | 9.20 ± 0.40 | eV | NIST Webbook |

Correlations

| Information | Value |
|-----------------------------|-------------------------------|
| Property code | pvap |
| Equation | $\ln(P_{vp}) = A + B/(T + C)$ |
| Coeff. A | 2.01969e+01 |
| Coeff. B | -9.00496e+03 |
| Coeff. C | -2.89200e+01 |
| Temperature range (K), min. | 361.15 |
| Temperature range (K), max. | 532.15 |

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=C7440688&Units=SI>

Legend

ie: Ionization energy

pvap: Vapor pressure

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