Samarium

Inchi: InChI=1S/Sm
InchiKey: KZUNJOHGWZRPMI-UHFFFAOYSA-N
Formula: Sm
SMILES: [Sm]
Mol. weight [g/mol]: 150.36
CAS: 7440-19-9

Correlations

Information	Value
Property code	pvap
Equation	ln(Pvp) = A + B/(T + C)
Coeff. A	1.34681e+01
Coeff. B	-1.66773e+04
Coeff. C	-1.82670e+02
Temperature range (K), min.	973.15
Temperature range (K), max.	2273.15

Sources

Cheméo Relay (1.0, beta):

Synthesis, structure, and thermodynamics of a lanthanide coordination compound incorporating 5-nitroisophthalic acid: https://www.doi.org/10.1016/j.jct.2012.06.029
Thermodynamic stability of RNi2 Laves phases: https://www.doi.org/10.1016/j.jct.2013.05.044
Investigation in the variation of Gibbs energy of formation of RE6UO12 (RE = La, Nd, Sm, Eu, Gd, Tb, Dy, Ho, Tm, Yb, Lu) and the 4f series: https://www.doi.org/10.1016/j.jct.2019.06.030
The Yaws Handbook of Vapor Pressure: https://www.sciencedirect.com/book/9780128029992/the-yaws-handbook-of-vapor-pressure
NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C7440199&Units=SI

Cheméo Relay (1.0):

Legend

pvap: Vapor pressure