

technetium

Inchi: InChI=1S/Tc
InchiKey: GKLVYJBZJHMRIY-UHFFFAOYSA-N
Formula: Tc
SMILES: [Tc]
Mol. weight [g/mol]: 98.00
CAS: 7440-26-8

Physical Properties

Property code	Value	Unit	Source
ie	7.28	eV	NIST Webbook
ie	7.28	eV	NIST Webbook
ie	7.28	eV	NIST Webbook

Correlations

Information	Value
Property code	pvap
Equation	$\ln(P_{vp}) = A + B/(T + C)$
Coeff. A	5.80488e+01
Coeff. B	-5.45314e+05
Coeff. C	5.66789e+03
Temperature range (K), min.	2673.15
Temperature range (K), max.	4673.15

Sources

NIST Webbook: <http://webbook.nist.gov/cgi/cbook.cgi?ID=C7440268&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

Latest version available from:

<https://www.chemeo.com/cid/23-521-7/technetium.pdf>

Generated by Cheméo on 2024-07-18 10:30:05.531074261 +0000 UTC m=+524820.727044622.

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