

tellurium

Inchi:	InChI=1S/Te
InchiKey:	PORWMNRCUJJQNO-UHFFFAOYSA-N
Formula:	Te
SMILES:	[Te]
Mol. weight [g/mol]:	127.60
CAS:	13494-80-9

Physical Properties

Property code	Value	Unit	Source
tt	722.65 ± 0.30	K	NIST Webbook

Correlations

Information	Value
Property code	pvap
Equation	$\ln(P_{vp}) = A + B/(T + C)$
Coeff. A	1.32707e+01
Coeff. B	-9.40463e+03
Coeff. C	-1.74210e+02
Temperature range (K), min.	775.15
Temperature range (K), max.	1261.15

Sources

Thermodynamic stability of Ca₃TeO₆ determined by a solid electrolyte EMF method
NIST Webbook:

<https://www.doi.org/10.1016/j.tca.2015.07.001>

The Yaws Handbook of Vapor Pressure: Thermodynamic properties of intermetallic PtTe determined by means of standard Gibbs free energy of formation of tellurium dioxide measurement by a vaporization studies over NiO
Vaporization studies over NiO technique: Ni₂Te₃O₈) in the Ni-Te-O system by transpiration thermogravimetry and Knudsen effusion mass spectrometry:

<http://webbook.nist.gov/cgi/cbook.cgi?ID=C13494809&Units=SI>

<https://www.sciencedirect.com/book/9780128029992/the-yaws-handbook-of-vapor-pressure>

<https://www.doi.org/10.1016/j.jct.2015.09.007>

<https://www.doi.org/10.1016/j.tca.2013.08.006>

<https://www.doi.org/10.1016/j.tca.2014.11.024>

Legend

pvap: Vapor pressure
tt: Triple Point Temperature

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