

Stannic oxide

Other names:	tin dioxide tin oxide
Inchi:	InChI=1S/2O.Sn
InchiKey:	XOLBLPGZBRYERU-UHFFFAOYSA-N
Formula:	O ₂ Sn
SMILES:	O=[Sn]=O
Mol. weight [g/mol]:	150.71
CAS:	18282-10-5

Physical Properties

Property code	Value	Unit	Source
hfs	-577.63 ± 0.20	kJ/mol	NIST Webbook
ss	49.04 ± 0.10	J/mol×K	NIST Webbook

Sources

Vaporization thermodynamics of the ZnO-SnO₂ system:
NIST Webbook: <https://www.doi.org/10.1016/j.jct.2013.11.010>
<http://webbook.nist.gov/cgi/cbook.cgi?ID=C18282105&Units=SI>

Legend

hfs: Solid phase enthalpy of formation at standard conditions
ss: Solid phase molar entropy at standard conditions

Latest version available from:

<https://www.cheméo.com/cid/34-393-8/Stannic-oxide.pdf>

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