

# Titanium dioxide (anatase)

<b>Other names:</b>	Titanium dioxide (rutile) titanium dioxide
<b>Inchi:</b>	InChI=1S/2O.Ti
<b>InchiKey:</b>	GWEVSGVZZGPLCZ-UHFFFAOYSA-N
<b>Formula:</b>	O2Ti
<b>SMILES:</b>	O=[Ti]=O
<b>Mol. weight [g/mol]:</b>	79.87
<b>CAS:</b>	13463-67-7

## Physical Properties

Property code	Value	Unit	Source
ie	9.50 ± 0.50	eV	NIST Webbook
ie	9.00 ± 0.50	eV	NIST Webbook
ie	10.40 ± 1.00	eV	NIST Webbook
ie	9.50 ± 0.10	eV	NIST Webbook
ie	10.20 ± 0.20	eV	NIST Webbook
ie	11.56 ± 0.14	eV	NIST Webbook
ie	8.50 ± 0.50	eV	NIST Webbook
ie	9.00 ± 0.20	eV	NIST Webbook

## Sources

**NIST Webbook:** <http://webbook.nist.gov/cgi/cbook.cgi?ID=C13463677&Units=SI>

## Legend

**ie:** Ionization energy

Latest version available from:

<https://www.cheméo.com/cid/47-576-1/Titanium-dioxide-anatase.pdf>

Generated by Cheméo on 2024-05-02 21:42:22.561202281 +0000 UTC m=+16975391.481779597.

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