

Carbon

Other names:	activated carbon
Inchi:	InChI=1S/C
InchiKey:	OKTJSMMVPCPJKN-UHFFFAOYSA-N
Formula:	C5
SMILES:	[C]
Mol. weight [g/mol]:	60.05
CAS:	12595-82-3

Physical Properties

Property code	Value	Unit	Source
ea	2.85 ± 0.00	eV	NIST Webbook
ea	2.84 ± 0.03	eV	NIST Webbook
ea	2.84 ± 0.01	eV	NIST Webbook
ea	2.85 ± 0.00	eV	NIST Webbook
ea	2.80 ± 0.10	eV	NIST Webbook
ea	2.33 ± 0.10	eV	NIST Webbook
ie	12.30 ± 0.10	eV	NIST Webbook
ie	12.70 ± 0.50	eV	NIST Webbook
ie	13.00 ± 1.00	eV	NIST Webbook

Sources

KDB:	https://www.cheric.org/research/kdb/hcprop/showprop.php?cmpid=1969
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C12595823&Units=SI
Cheméo Relay (1.0):	
Cheméo Relay (1.0, beta):	

Legend

ea:	Electron affinity
ie:	Ionization energy

Latest version available from:

<https://www.chemeo.com/cid/26-079-6/Carbon.pdf>

Generated by Cheméo on 2026-07-27 07:13:10.014061653 +0000 UTC m=+2147.430775687.

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