radon

Inchi: InChI=1S/Rn
InchiKey: SYUHGPGVQRZVTB-UHFFFAOYSA-N
Formula: Rn
SMILES: [Rn]
Mol. weight [g/mol]: 222.00
CAS: 10043-92-2

Physical Properties

Property code	Value	Unit	Source
af	-0.0080		KDB
ie	10.75	eV	NIST Webbook
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pc	6280.00	kPa	KDB
tb	211.40	K	KDB
tc	377.00	K	KDB
tf	202.00	K	KDB

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
rhol	4400.00	kg/m3	211.00	KDB

Correlations

Information	Value
Property code	pvap
Equation	ln(Pvp) = A + B/(T + C)
Coeff. A	1.31363e+01
Coeff. B	-1.50053e+03
Coeff. C	-3.52900e+01
Temperature range (K), min.	110.15

Temperature range (K), max.	377.00

Sources

KDB:	https://www.cheric.org/research/kdb/hcprop/showprop.php?cmpid=1963
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C10043922&Units=SI
The Yaws Handbook of Vapor Pressure:	https://www.sciencedirect.com/book/9780128029992/the-yaws-handbook-of-vapor-pressure

Legend

af:	Acentric Factor
ie:	Ionization energy
pc:	Critical Pressure
pvap:	Vapor pressure
rhol:	Liquid Density
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature
tf:	Normal melting (fusion) point