rubidium bromide

Other names: rubidium monobromide
Inchi: InChI=1S/BrH.Rb/h1H;/q;+1/p-1
InchiKey: JAAGVIUFBAHDMA-UHFFFAOYSA-M
Formula: BrRb
SMILES: [Br-].[Rb+]
Mol. weight [g/mol]: 165.37
CAS: 7789-39-1

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
econd	151.00	S/m	1173.00	Liquid + liquid equilibrium in mixtures of lithium fluoride with potassium and rubidium halides
econd	152.00	S/m	1184.00	Liquid + liquid equilibrium in mixtures of lithium fluoride with potassium and rubidium halides
econd	153.00	S/m	1194.00	Liquid + liquid equilibrium in mixtures of lithium fluoride with potassium and rubidium halides
econd	154.00	S/m	1206.00	Liquid + liquid equilibrium in mixtures of lithium fluoride with potassium and rubidium halides
econd	154.00	S/m	1217.00	Liquid + liquid equilibrium in mixtures of lithium fluoride with potassium and rubidium halides

econd	155.00	S/m	1232.00	Liquid + liquid equilibrium in mixtures of lithium fluoride with potassium and rubidium halides
econd	156.00	S/m	1244.00	Liquid + liquid equilibrium in mixtures of lithium fluoride with potassium and rubidium halides
econd	157.00	S/m	1258.00	Liquid + liquid equilibrium in mixtures of lithium fluoride with potassium and rubidium halides
econd	157.00	S/m	1269.00	Liquid + liquid equilibrium in mixtures of lithium fluoride with potassium and rubidium halides

Correlations

Information	Value
Property code	pvap
Equation	ln(Pvp) = A + B/(T + C)
Coeff. A	1.67173e+01
Coeff. B	-1.90841e+04
Coeff. C	-3.58100e+01
Temperature range (K), min.	1054.15
Temperature range (K), max.	1613.15

Sources

Calorimetric Investigation of PrBr3-MBr Liquid Mixtures (M = Na, K, Rb, Cs) :	https://www.doi.org/10.1021/je200419x
Temperature Dependence of the Density of Aqueous Alkali Halide Salt Solutions by Experiment and Molecular Simulation:	https://www.doi.org/10.1021/je500420g
Density of Methanolic Alkali Halide Salt Solutions by Experiment and Molecular Simulation:	https://www.doi.org/10.1021/je5009944
Densities and Viscosities of Rubidium Bromide in Dimethyl Sulfoxide + Water Mixtures in the Temperature Range t = (25 to 45) deg C:	https://www.doi.org/10.1021/je9001027

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C7789391&Units=SI
The Yaws Handbook of Vapor Pressure:	https://www.sciencedirect.com/book/9780128029992/the-yaws-handbook-of-vapor-pressure
Ultrasound velocity in dissolving alkali halide melts:	https://www.doi.org/10.1016/j.jct.2010.10.021
Liquid + liquid equilibrium in mixtures of lithium fluoride with potassium and rubidium halides:	https://www.doi.org/10.1016/j.jct.2012.02.015

Legend

econd:	Electrical conductivity
pvap:	Vapor pressure