

Potassium nitrate

Other names:	nitric acid potassium salt
Inchi:	InChI=1S/K.NO3/c;2-1(3)4/q+1;-1
InchiKey:	FGIUAXJPYTZDNR-UHFFFAOYSA-N
Formula:	KNO3
SMILES:	O=[N+](O-)O[K]
Mol. weight [g/mol]:	101.10

Physical Properties

Property code	Value	Unit	Source
tf	606.95	K	Crystallization of ionic salts for calibration of differential scanning calorimeters

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
econd	78.20	S/m	665.00	Electrical Conductivity of LiCl-KCl-CsCl Melts
econd	77.70	S/m	663.50	Electrical Conductivity of LiCl-KCl-CsCl Melts
econd	76.60	S/m	659.60	Electrical Conductivity of LiCl-KCl-CsCl Melts
econd	76.30	S/m	658.50	Electrical Conductivity of LiCl-KCl-CsCl Melts
econd	74.90	S/m	653.50	Electrical Conductivity of LiCl-KCl-CsCl Melts
econd	73.70	S/m	649.60	Electrical Conductivity of LiCl-KCl-CsCl Melts

econd	73.40	S/m	648.50	Electrical Conductivity of LiCl-KCl-CsCl Melts
econd	70.60	S/m	638.50	Electrical Conductivity of LiCl-KCl-CsCl Melts
econd	70.10	S/m	636.70	Electrical Conductivity of LiCl-KCl-CsCl Melts
econd	69.20	S/m	633.80	Electrical Conductivity of LiCl-KCl-CsCl Melts
econd	69.10	S/m	633.60	Electrical Conductivity of LiCl-KCl-CsCl Melts
econd	69.10	S/m	633.50	Electrical Conductivity of LiCl-KCl-CsCl Melts
econd	68.50	S/m	631.50	Electrical Conductivity of LiCl-KCl-CsCl Melts
econd	68.30	S/m	630.50	Electrical Conductivity of LiCl-KCl-CsCl Melts
econd	67.70	S/m	628.50	Electrical Conductivity of LiCl-KCl-CsCl Melts
econd	67.70	S/m	628.40	Electrical Conductivity of LiCl-KCl-CsCl Melts
econd	67.50	S/m	627.90	Electrical Conductivity of LiCl-KCl-CsCl Melts
econd	67.10	S/m	626.50	Electrical Conductivity of LiCl-KCl-CsCl Melts
econd	66.50	S/m	624.60	Electrical Conductivity of LiCl-KCl-CsCl Melts
econd	66.20	S/m	623.50	Electrical Conductivity of LiCl-KCl-CsCl Melts
econd	64.70	S/m	618.50	Electrical Conductivity of LiCl-KCl-CsCl Melts

Legend

econd: Electrical conductivity
tf: Normal melting (fusion) point

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