

Technical Data Sheet

Lithium hexafluorophosphate: LITHIUM HEXAFLUOROPHOSPATE
Formula: LiPF_6
Relative weight: 151.91
CAS NO.: 21324-40-3
Physical Chemical Properties: White crystal or white powder, relative density 1.5, melting point 200°C, strong deliquescent, easy soluble in water, soluble in organic solvents such as low concentration methanol, ethanol, acetone and carbonates. If exposed to the air, lithium hexafluorophosphate absorbs moisture and decomposes quickly, releasing highly toxic HF gas.
Applications: Used in electrolyte of lithium ion batteries for EV, for storage systems and for consumer electronics.

Name		Lithium Hexafluorophosphate		
LiPF ₆ Content (Min%)		99.0	99.9	99.99
Impurity Content (Max%)	Sodium (Na)	0.001	0.0003	0.0002
	Potassium (K)	0.001	0.0003	0.0002
	Iron (Fe)	0.001	0.0005	0.0005
	Chlorine (CL)	0.0005	0.0002	0.0002
	Nickel (Ni)	0.001	0.0005	0.0002
	Sulfate (SO ₄)	0.001	0.0005	0.0002
	Moisture (H ₂ O)	0.005	0.002	0.002
	Insoluble content in DME	0.1	0.1	0.01
Packing: 120kg or 150kg/Stainless Steel drum; 8kg/PE drum.				