

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.

Component		Lithium Hexafluorophosphate
LiPF ₆ Content (Min%)		99.95%
Impurity Content Max ppm	H ₂ O	10
	HF	70
	Insoluble content in DME	200
	Cl ⁻	2
	SO ₄ ²⁻	5
	NO ₃ ⁻	5
	Ca	1
	K ⁺	1
	Na ⁺	1
	Ni	1
	Pb	1
	Zn	1
	Cr	1
	Mg	1
	Cu	1
	Fe	1
	Cd	1
	As	1
Packing: 120kg or 150kg/Stainless Steel drum.		