

Technical Data Sheet

Lithium Difluorophosphate, LiPO ₂ F ₂
Formula: LiPO ₂ F ₂
Relative weight: 107.91
CAS NO.: 24389-25-1
Physical Chemical Properties: Lithium difluorophosphate (often simply refer to as LiDFP), appears to be white powder, with its chemical formula LiPO ₂ F ₂ , molecular weight 107.91. Its melting point is 340°C (644°F). It shows acidity when exposed to the air and absorbs moisture.
Applications: Often used in the field of lithium-ion batteries, as an electrolyte additive, it can improve the cycle performance and high-temperature storage performance of the battery. It helps to improve the battery's high and low temperature performances, reduce battery self-discharge, and obviously reduce the volume of lithium hexafluorophosphate in use.

Component		Lithium Difluorophosphate
LiPO ₂ F ₂ Purity (Min%)		99.50%
Impurity Content Max ppm	H ₂ O	100
	HF	100
	Insoluble substance	1000
	Cl ⁻	5
	SO ₄ ²⁻	10
	Na	5
	K	5
	Ca	5
	Fe	5
	Pb	5
	Cu	5
	Mg	5
	Zn	5
	Cr	5
	Ni	5
	Cd	5
Packing: 5kg/HDPE Bottle sealed in Aluminum pouch.		