

**NS6130-12-001603**

## Quick Facts

Product	:	Lithium Phosphate Powder
Stock No	:	NS6130-12-001603
CAS	:	10377-52-3
Molecular Formula	:	Li <sub>3</sub> PO <sub>4</sub>
Form	:	Powder

## Technical Specification

Molecular Weight	Density	Melting Point	APS
115.79 g/mol	2.54g/cm <sup>3</sup>	837 °C	80-100nm

Lithium phosphate (Li<sub>3</sub>PO<sub>4</sub>) is one of the promising solid electrolyte materials for lithium-ion battery because of its high ionic conductivity. Lithium phosphate is majorly used in the form of a conductive thin-film electrolyte for the fabrication of a variety of high performance energy storage devices such as lithium ion batteries and other lithium based rechargeable batteries. Lithium phosphate batteries are now widely used as a staple for cell phones, laptops and some other gadgets. Used in low-expansion porcelain enamel glazes and polymer intermediates.

## Applications:

- Additive in the building material industry
- The manufacturing of special glasses and enamels
- Used as a stabilizer for polyurethane
- Catalyst for iso-merization of propylene oxide to alkyl alcohol

# LITHIUM PHOSPHATE Nanopowder

**Purity**  
99.9%

**Li<sub>3</sub>PO<sub>4</sub>**

**APS 80-100nm**



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20ZICE4589C



19ZAZGO1274G



20ZICE4588M

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CERTIFIED COMPANY

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