

Oxide Solid Electrolyte for Lithium-ion Secondary Batteries **SELAPath**

Sumita's **SELAPath** is a lithium ion conducting oxide crystal material suitable for lithium-ion secondary batteries. The chemical formula of the material is $\text{Li}_{1.4}\text{Al}_{0.4}\text{Ti}_{1.6}(\text{PO}_4)_3$ (LATP).

Our Advantages

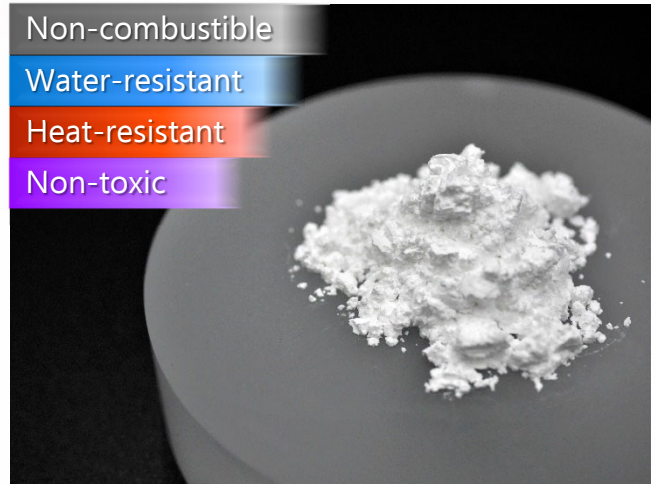
- ☑ Large Scale Production
- ☑ No ball-milling contaminants contained due to our distinct manufacturing method that does not require a ball milling process
- ☑ Highly uniform in particle shape

Non-combustible

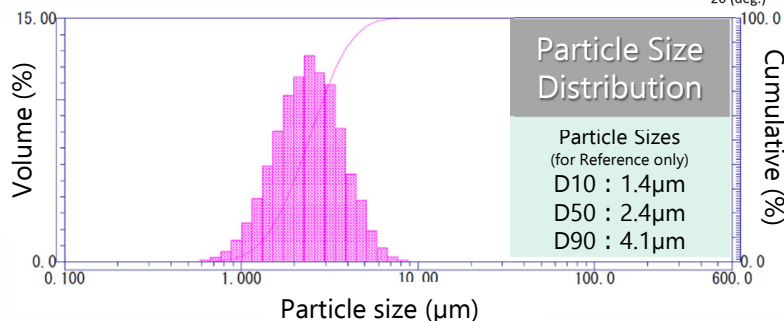
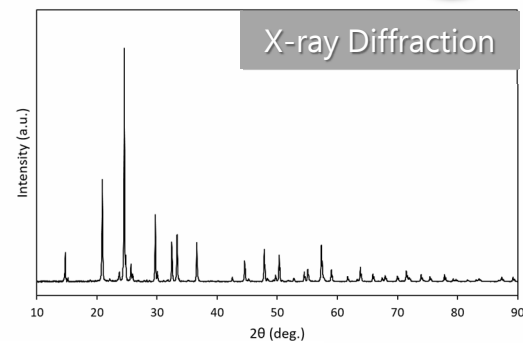
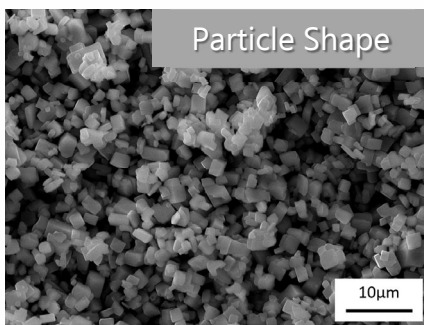
Water-resistant

Heat-resistant

Non-toxic



SELAPath can be sintered in the air. By sintering, you can use the material in various forms.



Properties of SELAPath sintered body

Relative Density	95.6%
Ionic conductivity at 25°C	2.4×10^{-4} S/cm
Activation energy	34 kJ/mol