新成科技
VIVIDGROWTH TECHNOLOGY

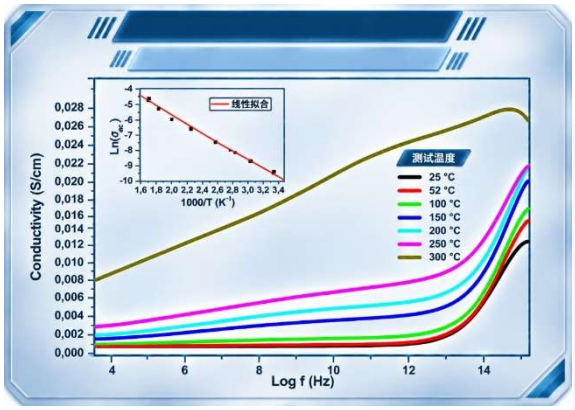
Silicon Pyrophosphate Powder

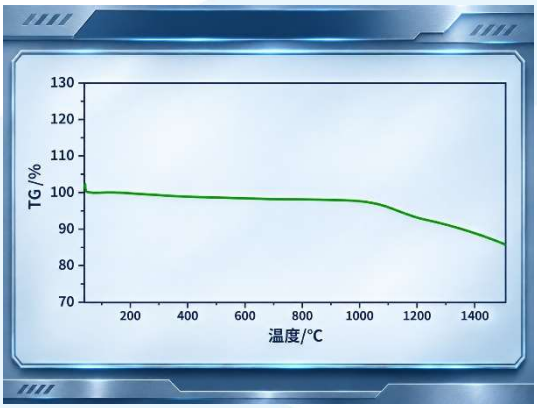
Product Manual

Properties of Silicon Pyrophosphate

Silicon Pyrophosphate (SiP_2O_7)

Silicon pyrophosphate is a material with a distinctive phosphate structure. It exhibits excellent high-temperature stability and high proton conductivity at elevated temperatures. The lower-left chart shows the material's high-temperature conductivity curve, while the lower-right chart shows its thermogravimetric (mass-loss) curve. The material itself does not undergo a phase transition. In composite applications incorporating silicon pyrophosphate, it can also regulate the phase-transition behavior of other materials.





After years of research and development, Jiaxing Vividgrowth New Materials has brought to market a range of silicon pyrophosphate powder products with consistent performance and purity.

Product Name: Silicon Pyrophosphate Powder

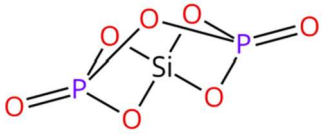
Model	SiP-5	SiP-05
Particle Size	5 μm	0.5 μm
Purity	>99.5%	>99.5%
Typical Tapped Density (g/cm^3)	0.65	0.55
Crystal Structure	Cubic	Cubic

Chemical Structure: See image on the right

Molecular Weight: 202.03

Density: 2.188 g/cm^3

Color: White



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