

Product Name: Ultra Fine Aluminum Hydroxide

Product Type: PF-1P

Product properties:

PF-1P is a patent name for another Pengfeng's Aluminum Hydroxide products. It has high whiteness and low electrolyte content. By using Nano seeds with high activity and unique chemical decomposition techniques, the product has smaller particle size, centralized particle size distribution, a regular shape of crystal, and perfect crystallization. Moreover, it can be dispersed uniformly in polymers with high compatibility, and it is hard to precipitate. It has better flame retardancy performance in comparison with other similar products. A wonderful combination for a flame retardancy and smoke suppression filler. It can significantly enhance products' water resistant, durability and thermal insulation performance, which is a perfect filler material for polyurethane foam, tires and rubber conveyor belts etc.

Typical Analysis:

Al(OH) ₃ -content	[%]	≥99.6
SiO ₂	[%]	≤0.02
Fe ₂ O ₃	[%]	≤0.02
Na ₂ O(total)	[%]	≤0.30
Na ₂ O(soluble)	[%]	≤0.01
Loss on ignition	[%]	34.5±0.5
Free Moisture	[%]	≤0.30
Particle size(Laser diffraction)	D ₅₀ (μm)	1.0-1.7
Bulk Density	kg/m ³	280-330
Oil Absorption	ml/100g	≤38
Whiteness(Elrepho 457nm)	[%]	≥97
Electrical conductivity	μs/cm	≤60
Refractive index		1.58
Mohs hardness		3

Applications:

- Polyurethane foam
- Thermoplastic Material
- Coating, industrial paper
- Rubber Application
- Thermosetting Material
- Wire and cable

Disclaimer: Information presented here is believed to be accurate and reliable but is not intended to meet any specification and does not imply any guarantee or warranty. All data listed here are reference values and subject to production tolerances. These values are only for the product description and no guarantee is placed on the properties. It remains the responsibility of the users to test the suitability of the product for their application.