

Product Name: Fine Aluminum Hydroxide

Product Type: PF-1

Product Properties:

PF-1 product has low electrolyte content, narrow particle-size distribution, low oil absorption, high whiteness (low impurities and organics, the invention patent owned by Pengfeng, One Producing Method of High Whiteness Aluminum Hydroxide Filler-Patent code: ZL 2013 1 0162126.4), high extrusion speed. As functional filler PF-1 can be used to enhance your product's flame retardancy and smoke suppression function. PF-1 mainly used in wire and cable, fiber optical cable and other fields.

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)	1.0-2.0
Bulk density	kg/m ³	300-350
Oil absorption	ml/100g	≤32
Whiteness (Elrepho 457nm)	[%]	≥97
Electrical conductivity	μs/cm	≤60
Refractive index		1.58
Mohs hardness		3

Applications:

- Wire and Cable
- Rubber Application
- Thermoplastic Material
- Thermosetting Material
- Coating, industrial paper
- Other area

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.