

Aluminum Hydroxide



(HT-205)

CAS NO. 21645-51-2

General Properties

Molecular weight	78	Mohs hardness	3
Density g/cm ³	2.42	Ratio of refraction	1.57
Crystal system	Monoclinic system	Appearance	White powder

Physical and Chemical Properties

Item \ Model		ATH-3	ATH-8	ATH-10	ATH-12	ATH-17
Chemical constituent %	Al(OH) ₃ ≥	99.7%	99.7%	99.7%	99.7%	99.7%
	Al ₂ O ₃ ≥	64.0	64.0	64.0	64.0	64.0
	SiO ₂ ≤	0.04	0.04	0.04	0.04	0.04
	Fe ₂ O ₃ ≤	0.03	0.03	0.03	0.03	0.03
	Na ₂ O ≤	0.5	0.5	0.5	0.5	0.5
	Loss on ignition ≤	35.0	35.0	35.0	35.0	35.0
	Attached water ≤	0.5	0.5	0.5	0.5	0.5
	+325 mesh ≤	0.1	0.1	0.1	0.1	0.1
Mean particle diameter (D50) μm		1.0-3.0	7.0-9.0	9.0-12.0	12.0-15.0	15.0-17.0
Whiteness %		≥ 95.0	90.0	90.0	90.0	90.0
PH value		10.0±1.5				

Notes: In this specification, the mean particle size can also be produced according to customer's requirements.

Applications:

- Plastics and rubber
- Coating, adhesives and electronic sealing material
- wire-insulating compound, rubber cable, conveyer belt

Packaging:

- Compound paper-plastic packaging
- Net weight: 25kg/bag, 40kg/bag or jumbo bag

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