



山东天一进出口有限公司
SHANDONG TIANYI IMP. & EXP. CO., LTD.

TEL: 86-13402268900 [Email: arrick@tychemgroup.com](mailto:arrick@tychemgroup.com) FAX:86-536-8865-639

Aluminum Hydroxide



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-10
Chemical constituent %	$\text{Al}(\text{OH})_3 \geq$	99.7%
	$\text{Al}_2\text{O}_3 \geq$	64.5
	$\text{SiO}_2 \leq$	0.04
	$\text{Fe}_2\text{O}_3 \leq$	0.02
	$\text{Na}_2\text{O} \leq$	0.4
	Loss on ignition \leq	34.5±0.5
	Attached water \leq	0.5
	+325 mesh \leq	0.1
Mean particle diameter (D50) μm		9.0-12.0
Whiteness %	\geq	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