



Aluminium Hydroxide GW 10

CAS No.: 21645-51-2

Formula: $\text{Al}(\text{OH})_3$

DESCRIPTION

Aluminium Hydroxide GW 10 is a fine ground aluminium trihydrate used as a multifunctional mineral filler and flame retardant. It is produced by controlled drying, grinding and classification of aluminium hydroxide to achieve a consistent particle size distribution. The product is supplied as a white free flowing powder with high whiteness, low impurity content and consistent thermal decomposition behaviour.

KEY FEATURES

- High-purity aluminium trihydrate with low impurities
- Consistent, fine particle size distribution
- Effective flame-retardant and smoke-suppressing properties
- High whiteness and free-flowing powder form
- Stable thermal decomposition behaviour
- Versatile filler for plastics, rubber, and construction materials

APPLICATIONS

- Flame retardants for plastic and rubber
- Wire insulating compounds, rubber cable and conveyor belts
- Construction materials
- Coatings, adhesives and sealers

TYPICAL SPECIFICATIONS

Test Item	Limit
$\text{Al}(\text{OH})_3$	$\geq 64.0 \%$
Fe_2O_3	$\leq 0.02 \%$
Na_2O	$\leq 0.4 \%$
pH	8.5–11.5
Loss on ignition	34–35 %
Whiteness	$\geq 90 \%$
Average particle size (D50)	8–12 μm
Moisture	$\leq 0.3 \%$



LIMITED WARRANTY INFORMATION.
PLEASE READ CAREFULLY.

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This document is subject to revision without notice as new data becomes available.

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PACKAGING
25 kg composite paper plastic bags

STORAGE

Store in a cool dry environment protected from moisture. Keep bags sealed when not in use to minimise caking. For best performance use within twelve months from delivery.

SAFETY & HANDLING

Avoid generating dust. Use suitable ventilation and respiratory protection if airborne dust is present. Avoid contact with eyes. Wash thoroughly after handling. Consult the Safety Data Sheet for full safety guidance.