

ALUMINIUM HYDROXIDE NANOPOWDER

www.nanoshel.com | sales@nanoshel.com



99%
Purity

<20nm
APS

Al(OH)₃



f @ X in

NS6130-03-304

Aluminum hydroxide, also known as alumina trihydrate or simply alumina, is a compound with the chemical formula $\text{Al}(\text{OH})_3$. Aluminum hydroxide is commonly used as a flame retardant in plastics, rubber, and other materials. Its ability to release water vapor when heated helps to suppress flames. It can be used as a filler in composite materials to improve mechanical properties such as strength and stiffness. Aluminum hydroxide nanoparticles have been investigated for medical applications, such as drug delivery systems and in imaging agents for diagnostic purposes.

QUICK FACTS

CAS : 21645-51-2
Purity : 99%
APS : <20nm
Form : Powder

TECHNICAL SPECIFICATION

Molecular Formula : $\text{Al}(\text{OH})_3$
Molecular Weight : 78 g/mol

APPLICATIONS

- Flame Retardancy
- Medical Applications
- Catalysis
- Filler in Composites
- Water Treatment



20ZICE4589C



19ZAZGO1274G



20ZICE4588M

ISO 9001:2015
CERTIFIED COMPANY

INTELLIGENT MATERIALS PVT LTD
Derabassi
Punjab (140507)
INDIA

+91 9779 550077, 9779238252

NANOSHEL UK LIMITED
Chapel House,
Chapel St Cheshire,
CW12 4AB United Kingdom

+44 1782 454 144, +44 74 105 48802

NANOSHEL LLC
3422 Old Capitol Suit
1305 Wilmington DE - 19808
United States

+1 646 470 4911