

Aluminium Hydroxide Micro Powder






NS6130-12-001079

APS
40-50 μm



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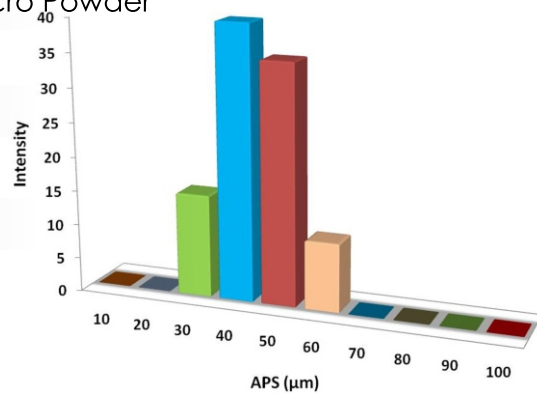
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Aluminium Hydroxide Micro Powder

Aluminium Hydroxide Nanopowder $Al(OH)_3$ is commonly used as a fire retardant. It naturally occurs as a mineral gibbsite. It has three polymorphs such as nordstrandite, bayerite, and doyleite. This compound is amphoteric in nature i.e. it has both natures acidic and basic. $Al(OH)_3$ nanoparticles taking much attention currently due to their unique properties and have a wide range of applications, for instance, plastics, glasses, papers, rubbers, and medicines. This compound utilized a flame retardant owing to temperature rises $Al(OH)_3$ represents endothermic decomposition and also absorbs energy, this compound supply heat insulation by reflecting when heat accumulates on its surface.

Quick Facts

| | | |
|----------|---|----------------------------------|
| Product | : | Aluminium Hydroxide Micro Powder |
| Stock No | : | NS6130-12-001079 |
| CAS | : | 21645-51-2 |
| Purity | : | 99% |
| Color | : | White |
| Form | : | Powder |



Technical Specification

| Formula | APS | Molecular Weight | Melting Point |
|------------|---------|------------------|---------------|
| $Al(OH)_3$ | 40-50μm | 78.00g/mol | 300°C |

Chemical Composition

| Product | Weight Percent (nominal) | |
|----------------------------------|--------------------------|-------------|
| | $Al(OH)_3$ | Other Metal |
| Aluminium Hydroxide Micro Powder | 99% | 0.1% |