

Alumina Trihydrate (ATH)

AP ATH Grades

Chemical Name: Aluminium Hydroxide
Chemical formula: Al(OH)₃
Molecular weight: 78.00 g/mol
H.S. Code: 2818 3000
CAS No.: 21645-51-2

Appearance
 White powder

Properties
 Excellent particle morphology, reasonable particle size distribution and low viscosity.

Usage
 BMC, SMC, Electrician filler, FRP Industry, Engineering plastic, Original solidification of pipeline CIPP, Roofing material, etc.

Packing
 1000kg/bag 40kg/bag 25kg/bag

Typical Properties

	APM-1416	APM-810	APM-172
Al(OH) ₃	≥99.6 %	≥99.6 %	≥99.6 %
SiO ₂	≤0.03 %	≤0.02 %	≤0.03 %
Fe ₂ O ₃	≤0.02 %	≤0.02 %	≤0.02 %
Na ₂ O	≅ 0.3 %	≅ 0.3 %	≅ 0.3 %
NaOH	-	≤1.0 %	-
Moisture	≤0.3 %	≤0.2 %	≤0.3 %
Particle size D50	14-16 μm	8-10 μm	1-2 μm
Whiteness	90-96 %	≥95 %	≥96 %
Oil Absorbency	-	≤40 ml/g	≤39 ml/g
Loss On Ignition	-	-	32.1
Electrical conductivity (10% in H ₂ O)	-	-	≤38% (uS/cm)