

Aluminum Hydroxide

ATH102-45
PRODUCT INFORMATION

ATH102-45 is an aluminum hydroxide, continuous ground and with normal soda content. Aluminum hydroxide is a white powder, widely used as a halogen free flame retardant in combination with plastic, rubber and resin. At temperatures above 180°C it goes through an endothermic reaction and decomposes into water and aluminum oxide.

CHARACTERISTICS

Physical Characteristics	Unit	Typical	Min	Max
D ₅₀	µm	9	7	11
Screen Residue >45 µm	%	2		3
Loss On Ignition 20°C / 1000°C	%	34.6		35
Moisture	%	0.05		0.2
Chemical Characteristics	Unit	Typical	Min	Max
Al(OH) ₃	%	99.6	99.5	
Na ₂ O	ppm	2800		4000
CaO	ppm	80		200
SiO ₂	ppm	80		150
Fe ₂ O ₃	ppm	90		200

Valid After: 2022/05