TECHNICAL DATASHEET

AFTAB
آفتاب تجارت امن بین‌الملل

Aluminum Hydroxide ATH100

CHARACTERISTICS

Physical Characteristics	Unit	Typical	Min	Max
D_{50}	µm	95	80	120
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_2O	ppm	2800		4000
CaO	ppm	80		200
SiO_2	ppm	80		150
Fe_2O_3	ppm	90		200

Valid After : 2022/05

PRODUCT INFORMATION

ATH100 is an aluminum hydroxide, unground 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.

Aluminum Hydroxide ATH102-45

CHARACTERISTICS

Physical Characteristics	Unit	Typical	Min	Max
D_{50}	µm	7	5	8
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_2O	ppm	3100		4400
CaO	ppm	90		230
SiO_2	ppm	90		170
Fe_2O_3	ppm	100		230

Valid After : 2024/04

PRODUCT INFORMATION

ATH102-45 is an aluminum hydroxide, 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.

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