



Technical Data Sheet

ProFlame ATH-1S

Product Name: Aluminum Hydroxide

CAS No. :21645-51-2

EINECS No.:244-492-7

ATH is one halogen free flame retardant, and have high thermal stability. is one white powder without smell; it is neutral substance that can react with acid and alkali both. ATH-1S grade is surface treated by non-polar polymer of Silane, the compatibility and combination with plastic material will be improved so that it is easy to evenly distribute into material, then the performance of fire retardant and mechanical properties is better than normal grade AL (OH) 3.

Technical Specification

Physical and Chemical Properties		
		ATH-1S
Chemical constituent	Al(OH) ₃ , %	≥99.6
	SiO ₂ , %	≤0.02
	Fe ₂ O ₃ , %	≤0.02
	Na ₂ O, %	≤0.35
	PH	7.5-9.8
	LOI,%	≥34.5
	Surface water, %	≤0.35
Average particle,D50 um		1.5-2.0
Whiteness		≥97
Oil absorption ml/100g (DOP)		≤45
Treatment material		Silane

Package and Storage:

Standard package is 20kg/bag,500kg/bag,1000kg/bag.And we can design package according to order. Stored in cool, dry and well ventilated environment.Packed and transported as normal chemical goods.

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