



H-WF-1

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Characteristics: H-WF-1A is the name of a special aluminium hydroxide quality with very steep particle size distribution, which is suitable as flame retarding filler for low smoke halogen-free cable compound. In contrast to conventional flame retardant products, no toxic or corrosive gases are generated by H-WF-1A in case of fire. The smoke temperature as well as the smoke gas density are considerably reduced.

		Bound	Tested	
Chemical analysis:	Al (OH) ₃	≥99.5	99.7	%
	SiO ₂	≤0.02	0.0060	%
	Na ₂ O	≤0.35	0.25	%
	Fe ₂ O ₃	≤0.01	0.0058	%
	Na O			
	_{2 (3)}	≤0.04	0.009	%
Particle size range(D50 %):			0.96-1.25	μm
Sieve retainment 38 μm(+325Mesh)		≤0.1	0.0033	%

Physical properties:

Density			2.4	g/ml
Whiteness, Ry		≥97	99.5	
Oil adsorption value		≤50	36.3	ml/100g
Specific surface BET			4.3	m ² /g
pH-value			8.8	
Moisture content		≤0.5	0.25	%
Bulk density(untampted)			0.35	g/ml
Bulk density(tampted)			0.58	g/ml
Electrical conductivity		≤120	19.2	μs/cm
High temperature dehydration	180℃2h	≤1	0.58	
Ignition loss test		≥34.5	34.53	%

Deliveries are possible in bulk, in 25kg/kraft bag, 1ton/ pallet.