



HN-336

ALUMINA TRIHYDRATE

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DESCRIPTION

HN-336 is a halogen-free, medium particle size ATH product that provides low cost flame retardant and smoke suppression in a variety of applications. The particle size distribution is specifically designed for low viscosity, high filler loading levels, and excellent processing characteristics, up to 200°C.

APPLICATIONS

HN-336 is recommended for spray-up or hand-lay up FRP applications, filament winding, panel production, resin injection, foam materials, cast polymer and epoxy parts, coatings, adhesives, latex, vinyl and urethane compounds.

PHYSICAL FORM: White powder

MORPHOLOGY: Hexagonal Platelets

GENERIC TYPE: Alumina trihydrate

CAS No.: 21645-51-2

TYPICAL CHEMICAL ANALYSIS

Al(OH) ₃ , %	99.6
SiO ₂ , %	<0.04
Fe ₂ O ₃ , %	<0.02
Na ₂ O (total), %	0.2
Na ₂ O (soluble), %	0.02
Free Moisture (TGA), 105° C, %	0.22

TYPICAL PHYSICAL PROPERTIES

Screen Analysis	
% < 45 micron	80
% < 10 micron	40
% < 1 micron	5
Median Particle Diameter, microns	14
Loss on ignition, 550° C, %	34.5
Surface Area BET (m ² /gm)	1.7
Specific Gravity (gm/cm ³)	2.42
Bulk Density- packed (gm/lt.)	1270
Brightness Ry	94
CIELAB, L*	97
Moh's Hardness	3.0
Electrical Conductivity, μS/cm	<130
Oil Absorption, ml/100gm	21

PACKAGING & STORAGE

25 kg paper bag, 1000 kg pallet

The product should be stored under dry and clean conditions in its original packing. The moisture content may increase if not stored under dry conditions.

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