

J.M. Huber Corporation

Martinswerk GmbH Kölner Straße 110 D-50127 Bergheim

phone: +49-2271-902-0 e-mail: hubermaterials@huber.com

HN-36 Alumina Trihydrate

DESCRIPTION

HN-36 is a halogen–free, medium-coarse 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-36 is recommended for rubber goods, compression molded thermosets, coatings, adhesives, latex, vinyl and urethane compounds and carpet backings.

PHYSICAL FORM: GENERIC TYPE:	White powder Aluminum Hydroxid	MORPHOLOGY: CAS No.:	Hexagonal Platelets 21645-51-2	
TYPICAL CHEMICAL ANALYSIS				
AI(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	5° C, %	0.14		

TYPICAL PHYSICAL PROPERTIES

Screen Analysis	
% < 150 micron	100.0
% < 45 micron	77.1
% < 10 micron	36.2
Median Particle Diameter, microns	
Loss on ignition, 550° C, %	34.5
Surface Area BET (m ² /gm	1.40
Specific Gravity (gm/cm ³)	2.42
Bulk Density- packed (gm/lt.)	1200
Brightness Ry	93
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.

©2022 J.M. Huber Corporation. Huber and the Huber logo are registered trademarks of J.M. Huber Corporation.

THERE ARE NO IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Refer to Huber's Standard Conditions of Sale for the only express warranties applicable to the Huber products. Products incorporating Huber products are not warranted by Huber. In no event is Huber liable for consequential damages. Revised 12/11