



Micral[®] 632

Aluminum Hydroxide (ATH)

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DESCRIPTION

Huber Engineered Materials' Micral[®] 632 is a mechanically produced ATH product designed for plastic and rubber applications requiring a fine particle size. The high surface area of Micral 632 provides a low cost approach to flame retardance and smoke suppression in applications such as urethane foams, vinyl, SBR belting, EPDM, EPR, adhesives, coatings, ABS, polyolefins and XPLE.

A complete range of surface modifications is available to aid processing and enhance physical properties. These include silanes, stearates and wetting agents. Technical service is available.

Chemical Property	Unit	Typical Value
Al(OH) ₃	%	99.6
SiO ₂	%	0.005
Fe ₂ O ₃	%	0.007
Na ₂ O (total)	%	0.2
Na ₂ O (soluble)	%	0.05
Loss on Ignition (1000°C)	%	34.6

Physical Property	Unit	Typical Value
Screen Analysis		
through 325 Mesh	%	99.99
Median Particle Diameter	Microns	3.5
Surface Area*	m ² /gm	9
Free Moisture @105°C	%	0.6
Specific Gravity	gm/cm ²	2.42
Bulk Density, loose	gm/cm ²	0.45
Bulk Density, packed	gm/cm ²	0.9
Oil Absorption**	ml	32
TAPPI Brightness***		95

* As measured with a Quantachrome monosorb surface area analyzer

** Oil absorption, ml, boiled linseed oil per 100 gm filler

*** TAPPI Brightness measured with a Hunterlab Colorimeter