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Micral® 632

Aluminum Hydroxide (ATH)

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_2O_3	%	0.007
Na_2O (total)	%	0.2
Na_2O (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 @105ºC	%	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