Micral® 932

Aluminum Hydroxide (ATH)

DESCRIPTION

Micral® 932 is a high surface area alumina trihydrate product with a very precise, ultrafine particle size distribution. Features and benefits include: a lower cost replacement for precipitated ATH; lower soluble soda and free moisture content; improved handling properties; dependable delivery; long-tern availability; exceptional brightness; excellent suspension; an economical halogen-free smoke suppressor/flame retardant.

Applications include wire and cable insulation, injection-molded polyolefins, coatings, adhesives, rubber goods, paper filler and coating, PVC, EPDM, EPR, ABS, XLPE and compression molded Thermosets. 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.

TYPICAL ANALYSIS

$Al(OH)_3$, %	99.6
SiO_2, %	0.005
Fe_2O_3, %	0.007
Na_2O (total), %	0.3
Na_2O (soluble), %	0.050
Loss on ignition (1000°C), %	34.6
Free Moisture (105°C), %	0.8

TYPICAL PROPERTIES

% through 325 mesh	100
Median Particle Diameter, microns	2
Surface Area, m^2/gm	13
Specific Gravity (gm/cm^3)	2.42
Bulk Density, loose (gm/cm^3)	0.35
Bulk Density, packed (gm/cm^3)	0.5
Oil Absorption**	38
TAPPI Brightness***	93

* 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