



A FAMILY OF SOLUTIONS

**ENGINEERED
MATERIALS**

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MICRAL® 932 ALUMINA TRIHYDRATE

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-term 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 CHEMICAL ANALYSIS

Al ₂ O ₃ , %	64.9
SiO ₂ , %	0.005
Fe ₂ O ₃ , %	0.007
Na ₂ O (total), %	0.3
Na ₂ O (soluble), %	0.12
Loss on ignition (550°C), %	34.6
Free Moisture (105°C), %	0.8

TYPICAL PHYSICAL 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***	98

* 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

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