



FIRE RETARDANT ADDITIVES



Huber's Micral® AM550 Alumina Trihydrate (ATH)

Product Description

Micral® AM550 ATH from Huber Engineered Materials is a fine ground flame retardant and smoke suppressant with a median particle size of about 5.5 microns. Versus other fine ground ATH products, Micral AM550 offers these defining characteristics:

- Fewer fine particles and lower surface area
- Fewer coarse particles

What these Defining Characteristics Mean to You:

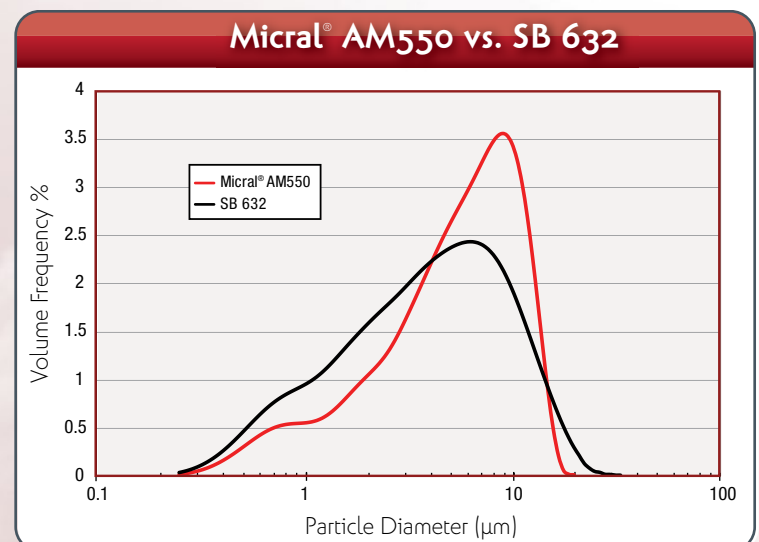
Fewer fine particles and lower surface area means...

- Improved consistency / viscosity stability
- Lower viscosity
- Controlled thickening
- Lower soluble soda content
- Faster dispersion

Fewer coarse particles means...

- Better mechanical properties
- Improved Hegman grind values in paints

Particle Size Distribution Comparison



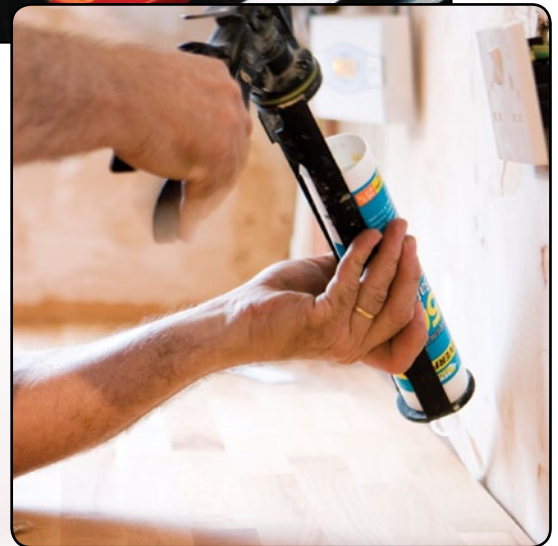
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Applications

- Adhesives, Caulks and Sealants
- Paints and Coatings
- Rubber Compounds
- Thermoplastics

Typical Physical Properties	
Screen Analysis	
% On 325 Mesh	0.01
% Through 325 Mesh	99.99
% Less than 10 Microns	83
% Less than 1 Micron	8
Median Particle Diameter, Microns	5.5
Surface Area (m ² /gm)*	3.4
Specific Gravity (gm/cm ³)	2.42
Loose Bulk Density (gm/cm ³)	0.45
Packed Bulk Density (gm/cm ³)	0.8
Oil Absorption**	32
TAPPI Brightness***	90

These typical physical properties cannot be considered as specifications.
 *As measured with a Quantachrome Monosorb Surface Area Analyzer (BET)
 **Oil absorption, ml, boiled linseed oil per 100 gm filler
 ***TAPPI Brightness measured with a HunterLab Colorimeter



Superior Technical Expertise and Customer Service

Huber's unsurpassed technical expertise and support is its foundation in developing innovative fire retardant additives like Micral[®] AM550 that meet the exacting requirements for your application. Huber also offers customer service second-to-none, and we look forward to helping you learn more about Micral AM550. For information or to order samples, contact us today:

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