Over a Century... of making products and processes better

Since 1883, the J.M. Huber Corporation has provided a broad range of mineral and chemical solutions for industry. Focused on developing “best-in-class” products, Huber has become a recognized leader in its field. Always persistent in understanding customer needs, Huber organizes its approach to effectively transform needs into innovative products that solve customer problems.

Today, Huber has over 70 sites in 20 countries, and is one of the largest privately held family businesses in the United States. With a customer base ranging from large global multi-national companies to domestic regional businesses, Huber satisfies the needs of its customers, daily.

Markets Served
Huber materials are formulated in compounds for an endless array of rubber products, in a broad range of end-use markets. From tires, gaskets, belts, plugs, and mats, to thousands of unique molded, extruded and fabricated parts, Huber has the mix of products and applications expertise to meet the demanding needs of its broad customer base. Sample end-use markets include:

- Automotive
- Aerospace
- Construction
- Agriculture
- Telecommunications
- Medical

Huber Solutions... a broad array of performance additives for rubber products
Huber proudly offers a broad product assortment to satisfy the needs of rubber compounders and producers. From Silicas and Silicates to Kaolin Clays, Alumina Trihydrate (ATH), Magnesium Hydroxide, Calcium Carbonate and Barium Sulfate, Huber products meet the demanding needs of its global and regional customers.
Alumina Trihydrate - Untreated

- SB-30: Off white powder 9 0.3 80
- SB-36: Off white powder 9 0.3 84
- SB-ZZ: Off white powder 14 1.3 87
- SB-52: Off white powder 11 1.6 88
- SB-42: Off white powder 9 2.1 89

Mechanically-Al 400 degrees F. The 2 water molecules in ATH are released in an endothermic reaction. The released water molecules pump the surface of the surrounding materials, thus imparting flame retardance.

Alumina trihydrate is an extremely cost-effective flame retardant and smoke suppressant.

Ground untreated grades are the most economical and are differentiated based on their particle size.

- SB-52: White Powder 9 4 95
- SB-ZZ: White Powder 2 12 50
- SB-52: White Powder 1 9 4 50

High surface area improves flame retardant efficiency.

- Alumina trihydrate contains no halogens or heavy metals, and hence it offers improved environmental compliance vs. other flame retardants.
- SP reactive surface treatment improves mechanical properties, increases water resistance and is compatible with silicone elastomers.
- CM surface treatments enable faster mixing times, but contain no crosslinking functionality.

- Alumina trihydrate is an extremely cost effective flame retardant and smoke suppressant.
- SP surface treatment on 1 micron precipitated ATH makes this ideal for elastomer-based applications.
- Proprietary flame retardant on 3mm H9401 is designed for platinum cured silicone rubber.

Alumina trihydrate is available in 1, 3, 7 and 10 microns, low oil absorption allows high loadings.

Calcium Carbonate

- Hubercarb®: 9 1 7 95
- Micral®: 9 1.3 87
- Huberpol®: 9 4 95
- Polyfil®: 8 9 95

- Hubercarb® is a registered trademark of J.M. Huber Corporation for calcium carbonate.
- Huberpol® is a registered trademark of J.M. Huber Corporation for silicon dioxide.
- Polyfil® is a registered trademark of J.M. Huber Corporation for kaolin clay.
- Micral® is a registered trademark of J.M. Huber Corporation for alumina trihydrate.

Brightness reported as % reflectance, Hunter.

For more information about these and other Huber products, contact the Huber office in your region.

HUBER® is a registered trademark of J.M. Huber Corporation for talc. Onyx® is a registered trademark of J.M. Huber Corporation for microsilica. Phos® is a registered trademark of J.M. Huber Corporation for aluminum sulfate. Halogen® is a registered trademark of J.M. Huber Corporation for phosphoric acid. Zeolite® is a registered trademark of J.M. Huber Corporation for zeolite. Xerogel® is a registered trademark of J.M. Huber Corporation for magnesium oxide. Zeolite® is a registered trademark of J.M. Huber Corporation for magnesium hydroxide.

Color Retention / Anti-Yellowing
Rubber Reinforcement
Process Improvements
TiO2 / Pigment Extension
Flame Retardance / Smoke Suppression
Physical Property Enhancements
Diluent / Compound Extension

Performance Additives for Rubber Products

T E C H N O L O G Y L E A D E R S H I P
A P P L I C A T I O N E X P E R T I S E

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