

H-TEC™ 1000 ALUMINA TRIHYDRATE (ATH) (Precipitated)

General Chemical and Physical Properties (typical)

Al(OH) ₃ %	99.2 min
SiO ₂ %	0.05 max
Fe ₂ O ₃	0.035 max
Na ₂ O	0.6 max
Free Moisture	0.5% max
Loss on ignition (1000° C)	34.6%
Specific Gravity	2.42
Refractive Index	1.57
Mohs Hardness	3.0
Color	White
Decomposition Temp	220° C (428° F)

H-TEC™ 1000 alumina trihydrate has good flowability and wetout. H-TEC™ 1000 provides a cost effective way to flame retard and smoke suppress plastics, rubber, adhesives, coatings and other polymer systems.

Typical Properties

D ⁵⁰ Median particle size (microns)	1.2
D ⁹⁰ particle size (microns)	3.3
BET surface area (m ² /g)	3.6
+ 325 mesh (%)	0.01

APPLICATIONS: These ATH products are used in flexible and rigid PVC, nitrile rubbers, neoprene, polyolefins, EPDM, SBR, EPR, latexes, urethanes, EVA copolymers, unsaturated polyesters and other systems.

HEALTH AND SAFETY: For specific information, refer to the Material Safety Data Sheet.

PACKAGING: Standard packaging is 50 pound plastic bags*, 2000 pounds to a pallet.
Bulk bags: 2204 pounds each.

* Plastic bags (Batch inclusion bags) are a co-polymer of Polyethylene-Vinyl Acetate which can be included in PVC batches. The melt temperature is 106 degrees C +/- 2 degrees.

Terms and Conditions of Sale: All statements, technical information and recommendations are based on tests we believe to be reliable, the accuracy or completeness is not guaranteed, and the following is made in place of all warranties, expressed or implied. Our only obligation is to replace product proved to be defective. We shall not be liable for any injury, loss or damage, direct or indirect, from using or not being able to use the product. Before using, customer must determine the suitability of the product for the intended use and customer assumes the responsibility. This statement may not be changed except by an agreement signed by an officer of The R.J. Marshall Company. Feb. 2013