

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

### General Chemical and Physical Properties (typical)

Al <sub>2</sub> O <sub>3</sub> ·3H <sub>2</sub> O	99.2% min
SiO <sub>2</sub>	0.05% max
Fe <sub>2</sub> O <sub>3</sub>	0.035% max
Na <sub>2</sub> 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 <sup>50</sup> Median particle size (microns)	1.4
D <sup>90</sup> particle size (microns)	3.3
BET surface area (m <sup>2</sup> /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.

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