

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

### Typical Physical Properties

Loss on Ignition (1000°C)	34.6%
Specific Gravity	2.42
Refractive Index	1.57
Mohs Hardness	3.0
Decomposition Temp.	220°C (428°F)
Color	White

### Typical Chemical Properties

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

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 Specifications

D <sub>50</sub> Median particle size (microns)	1.4
D <sub>90</sub> particle size (microns)	3.3
BET surface area (m <sup>2</sup> /g)	3.6
+325 mesh (%)	0.01
Free Moisture	0.5% max

**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:** Refer to the 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°C +/- 2 degrees.