

ACTIVATED ALUMINA (AL₂O₃)

Activated Alumina is produced from aluminum hydroxide feedstocks. Through controlled thermal treatment most water is eliminated to form the crystal lattice. Activated aluminas are particularly effective as filter medias due to the porosity of the grain. Activated Alumina can be doped to aide in pH balancing of filtered materials.

TYPICAL ANALYSIS

(Al ₂ O ₃)	≈ 90%
(Na ₂ O) Total	≈0.099525%
(CaO)	ca. 0.01%
(Fe ₂ O ₃)	ca. 0.02%
Loss on Ignition	≈8%
Specific Surface Size	200-260 m ² /g
Pore Volume	≈0.35 cm ³ /g



SIZES

≤ 0.5 mm	1.0 - 2.5 mm	2.0 - 5.0 mm
0.3 - 1.0 mm	1.0 - 3.0 mm	2.5 - 7.0 mm
0.3 - 2.0 mm	1.0 - 5.0 mm	5.0 - 10.0 mm

TYPICAL APPLICATIONS

Filtration	Purification of Process Liquids and Gases
Adsorption	pH Balance
Desiccant	

TYPICAL PROPERTIES

Large Specific Surface Area
High Pore Volume
Defined Pore Size Distribution
Specific Catalytic Reactivity
Specific Adsorptive Capacity
High Crushing Strength