

## ACTIVATED ALUMINA

### Principal Uses

As a desiccant or drying agent for organic liquids and gases; for drying inorganic gases in industrial processes; for drying air in air conditioning; as a desiccant and absorbent in reconditioning oils; as a chloride scavenger and other special uses.

### Characteristics

A spherical activated alumina with high surface area, high static sorption and abrasion resistance.

### Chemical Analysis

(percent on dry basis)

**Typical**

SiO <sub>2</sub> .....	0.02
Fe <sub>2</sub> O <sub>3</sub> .....	0.02
Na <sub>2</sub> O .....	0.30 - 0.35
Al <sub>2</sub> O <sub>3</sub> .....	93.1 - 93.6
Loss on Ignition .....	6.0 - 6.5

### Physical Properties

(Spherical Form)

**Typical**

Surface Area .....	325 - 350 m <sup>2</sup> /gm
Average crushing strength .....	35.0 lbs
Average Bulk Density, packed .....	48.0 lbs/ft <sup>3</sup>
Abrasion Loss .....	0.1 - 0.3%
Static Sorption (@ 60% RH) .....	20 - 22%
Static Sorption (@ 100% RH) .....	40 - 43%
Total Pore Volume .....	0.5 cm <sup>3</sup> /gm

- Crush strength varies with the sphere diameter. The crushing strength reported is for a 5 mesh sphere.