

# AA Series

## UOP Activated Aluminas\*

UOP Activated Alumina adsorbents are used in the drying and purification of gases and liquids in a wide range of industries. Because of the affinity of the alumina surface for water that provides the driving force for drying, UOP has developed products with optimal surface area and pore size distribution.

## Type D-201 Activated Alumina

CAS No.  $\text{Al}_2\text{O}_3$ —1344-28-1  
 $\text{Na}_2\text{O}$ —1313-59-3  
 $\text{SiO}_2$ —7631-86-9  
 $\text{Fe}_2\text{O}_3$ —1309-37-1

Activated Alumina Type D-201 is an abrasion resistant desiccant that has excellent adsorption and desorption characteristics. It is recommended for use in dehydration systems where the desiccant is subject to harsh mechanical conditions, and is especially suitable for heatless (pressure swing) air dryers. The Type D-201 is a spherical activated alumina with high surface area, high adsorption capacity and excellent abrasion resistance.

### Typical Physical Properties

5 x 8 Mesh Beads	
Surface Area (m <sup>2</sup> /gm)	350
Bulk Density (lb/ft <sup>3</sup> )	47
Crush Strength** (lbsf)	35
Abrasion Loss (wt-%)	0.2
Loss on Ignition (wt-%)	5.0

\*\* Crush Strength varies with sphere diameter. It is reported for a 5-mesh (4.0 mm) sphere.

Part No.	Quantity	Form
AA-2001	1 lb.	Sphere
AA-2002	1 lb.—Case of 6	5 x 8 Mesh (1/8" nominal)
AA-2003	5 lb.	
AA-2004	5 lb.—Case of 4	
AA-2005	25 lb.	
AA-2006	50 lb.	
AA-2011	1 lb.	Sphere
AA-2012	1 lb.—Case of 6	3 x 6 Mesh (3/16" nominal)
AA-2013	5 lb.	
AA-2014	5 lb.—Case of 4	
AA-2015	25 lb.	
AA-2016	50 lb.	

Type D-201 Activated Aluminas are available packaged in 55-gallon drums - Contact Advanced Specialty Gas Equipment for price and availability.

### For More Information

For additional information, see MATERIAL SAFETY DATA SHEET (MSDS) for this material listed on the Advanced website; [www.asge-online.com](http://www.asge-online.com) or contact your Advanced representative.

\* Advanced Specialty Gas Equipment repackages and markets Type D-201 Activated Alumina manufactured by UOP.