

# Standard Activated Alumina



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## Description

Activated alumina powder is used to adsorb gases and liquids and is frequently used as a filter to remove contaminants from various feed streams, such as fluorine from drinking water. Activated alumina is useful for bulk moisture removal and suitable for removing humidity from air. Activated alumina can also be used as a catalyst.

## Specifications

Activated Alumina			
Property	Unit	Powder	
Particle Size	$\mu\text{m}$	8.0 - 13.0	
Loss On Ignition 570°F - 1,835°F	wt%	≤8.0	
Loss on Ignition 32°F - 570°F	wt%	≤2.0	
Surface Area	$\text{m}^2/\text{g}$	≥300	

## Industries Used

natural gas dehydration  
biofuel production  
dehydration of unsaturated hydrocarbons streams (cracked gas, acetylene, ethylene, propylene, butadiene)  
adsorption of  $\text{NH}_3$  and  $\text{H}_2\text{O}$  from  $\text{N}_2/\text{H}_2$  streams  
polar liquid drying (ethanol and methanol)  
plastic, paint, sealant, glue

petroleum gas dehydration  
oil refining

refrigerant drying  
insulated glass

## Storage

Activated alumina is an adsorbent and should not be left exposed to open air to prevent water from being adsorbed before its intended use. This product should be stored in dry conditions with air-proof packaging.