

# HYAA300

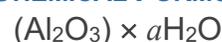
## STANDARD ACTIVATED ALUMINA

### DESCRIPTION

*Standard Activated Alumina* is manufactured for water adsorption and filtration applications by adsorbing impurities from the surrounding environment. Activated alumina can be used in a wide range of applications including the production of chemicals, pharmaceuticals, and in static or dynamic dehydration applications. This activated alumina offers a high adsorption capacity for both static and dynamic adsorption processes.

- used in dehydration or filtration applications
- capable of dehydrating surrounding environment
- creates ideal streams for the production of chemicals and pharmaceuticals
- offers advantageous adsorption capacity in static and dynamic applications

### CHEMICAL FORMULA



### SPECIFICATIONS

Activated Alumina							
Standard Activated Alumina		Beads					
Property	Unit	1/8 Inch	1/8 *Avg	3/16 Inch	3/16 *Avg	1/4 Inch	1/4 *Avg
Particle Size	mm	2.36 - 4.0	-	4.0 - 6.0	-	5.0 - 7.0	-
Qualified Size Ratio	wt%	≤5	-	≤5	-	≤5	-
Surface Area	m <sup>2</sup> /g	≥300	354.31	≥300	339.49	≥300	319.96
Pore Volume	cm <sup>3</sup> /g	≥0.40	-	≥0.40	-	≥0.40	-
Bulk Density	(lbs/ft <sup>3</sup> )	(44.3-48.1)	(45.91)	(43.1-46.8)	(45.67)	(43.7-47.4)	(45.30)
Crush Strength	(lbs)	(≥30.1)	(41.13)	(≥36.0)	(64.67)	(≥45.0)	(79.28)
Water Adsorption Capacity RH60%, 25°C	wt%	≥17.0	-	≥17.0	-	≥17.0	-
Loss On Ignition 0-300°C (32°F-570°F)	wt%	≤2.0	-	≤2.0	-	≤2.0	-
300-1,000°C (570°F-1,835°F)	wt%	≤8.0	-	≤8.0	-	≤8.0	-
Attrition	wt%	≤0.4	0.25	≤0.4	0.25	≤0.4	0.24
Packaging Options	1,000kg (2,204.6lb) / Super Sack; 150kg (330.7lb) / Drum; 25kg (55.1lb) / Bag						

\*Avg refers to a running average of lot analyses

### INDUSTRIES USED

chemical production	static applications	desiccant drying
pharmaceutical production	dehydration	water purification

### STORAGE

As an adsorbent, activated alumina should not be left exposed to open air and should be stored in dry conditions with air-proof packaging.

## CONNECT WITH US...

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