

STANDARD ACTIVATED ALUMINA

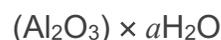
ACTIVATED ALUMINA

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 Mesh	3/16 *Avg	1/4 Inch	1/4 *Avg
Particle Size	mm	2.36 - 4.0	3.3 - 3.9	4.0 - 6.0	5.0 - 5.6	5.0 - 7.0	5.6 - 6.2
Qualified Size Ratio	%	≥90	-	≥90	-	≥90	-
Surface Area	m ² /g	≥300	343.6	≥300	330	≥300	315.2
Pore Volume	cc/g	≥0.40	-	≥0.40	-	≥0.40	-
Bulk Density	g/mL (lb/ft ³)	0.74 ±0.03 (46.2 ±2)	0.729 (45.5)	0.72 ±0.03 (45.0 ±2)	0.719 (44.9)	0.73 ±0.03 (45.6 ±2)	0.715 (44.6)
Crush Strength	N (lbm*ft/s ²)	≥134 (≥30.0)	175.6 (39.5)	≥160 (≥36.0)	293.6 (66)	≥200 (45.0)	342.5 (77)
Water Adsorption Capacity	wt%	RH75%: ≥22.0 RH60%: ≥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	0.26	≤0.4	0.25	≤0.4	0.25
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
pharmaceutical production

static applications
dehydration

desiccant drying
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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