

Activated Alumina, Desiccant

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Activated alumina, also known as reactive alumina, is a highly porous material made from aluminum hydroxide. With advantages such as many micro pores, large surface area, and good dispersion performance, activated alumina has a high affinity for water, impurity and activated catalyst. By the applications of balls, it can be divided into three types, including activated alumina adsorbent, activated alumina desiccant and activated alumina catalyst carrier.

Chempack is a Chinese activated alumina manufacturer and supplier. We provide high quality activated alumina adsorbent for defluorination, activated alumina adsorbent for drying, activated alumina for hydrogen peroxide to customers all over the world. Our products are used for a wide range of adsorbent, desiccant, and catalyst applications. Due to their reliable quality, stable performance and economical prices, they are highly sought after in the petrochemical, chemical and fertilizer industries.

Technical Data

		GS	DF	HP	CC	DH
Appearance		White, Sphere, No Odor, Insoluble in Water, Innocuous				
Crystal Type		x-p	x-p	y	y	x-p
Chemical Composition	Al ₂ O ₃ %	≥93	≥93	≥93	≥93	≥90
	Na ₂ O %	≤0.3	≤0.3	≤0.5	0.15-0.3	≤0.3
LOI	%	6-8	6-8	≤8	≤5	6-8
Bulk Density	g/ml	0.68-0.72	0.70-0.75	0.65-0.75	0.70-0.80	0.68-0.72
Surface Area	m ² /g	≥280	≥280	200-260	≥200	≥300
Pore Volume	ml/g	0.30-0.45	0.30-0.42	0.40-0.46	0.40	0.30-0.50
Static Absorption (RH=60%)	%	Water Absorption 15-17	Fluorine Absorption 0.12	Water Absorption 50	Water Absorption 50-70	Water Absorption 17-19
Active	%			56-62		
Attrition Loss	%	≤1.0	≤1.0	≤1.0	≤0.4	≤0.8
Crushing Strength (mm)	□0.4-1.2		≥30			
	□1-2	≥40	≥40			
	□2-3	≥60	≥60			
	□3-5	≥100		≥100	≥100	≥100
	□4-6	≥120		≥130	≥120	≥110

GS: is for adsorbent

DF: is for defluorinating;

HP: is for absorption in producing hydrogen peroxide (H₂O₂);

CC: is for catalyst carrier;

DH: is for dehydrating and drying in air separation etc.

In addition to activated alumina, we at Chempack also offer sulfur recovery catalyst, methanation catalyst, molecular sieve, and other related products. To make customers feel secure in purchasing our products, we provide considerate services, like product design, customization, and consultation services. Our dedicated staff will assist you in making the right catalyst choice. OEM service and free product samples are also available.

For further information on our products or services, please don't hesitate to contact us.

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