

Activated alumina desiccant



Activated alumina desiccant is a special process made of spherical activated alumina. Its own property is non-toxic, odorless, non-chalky, insoluble in water, white spherical appearance, strong ability to adsorb water. Under certain operating conditions and regeneration conditions, its drying depth up to the dew point temperature below $-40\text{ }^{\circ}\text{C}$, is a trace of the depth of water and efficient drying agent.

Activated alumina desiccant is mainly used to dry liquids and gases. Widely used in petrochemical gas, liquid-phase drying, for the textile industry, oxygen industry and automation instrument wind drying, air separation industry pressure swing adsorption.

Technical Parameters:

Project	Index		
Crystalline phase	$\chi\text{-}\rho\text{ Al}_2\text{O}_3$		
Particle size mm	$\phi 3\text{--}5$	$\phi 4\text{--}6$	$\phi 5\text{--}7$
Appearance	White spherical		
Bulk density g/cm^3	0.68--0.75	0.65--0.72	0.62--0.68
Strength N/tablets	≥ 120	≥ 130	≥ 150
Surface area m^2/g	300--360		
Pore volume cm^3/g	0.38--0.42		
Water absorption %	≥ 50		
Static adsorption capacity	17 \pm 1		

This product is used in petrochemical gas and liquid with deep drying, pressure swing adsorption drying.

This product has been recognized by applications at home and abroad, the data show quite similar to foreign products.