

Active Alumina Sphere

Product Overview

This product is white spherical porous particles with uniform particle size, smooth surface, high mechanical strength, strong hygroscopicity, and will not swell or crack after absorbing water, and will remain in its original shape. It is non-toxic and odorless, and insoluble in water and ethanol. It is a highly efficient desiccant for trace amounts of water, with a drying depth of up to -70°C at the dew point temperature, and static water adsorption of more than 17%.

Main Uses of The Product

Air separation

Hydrogen peroxide

Pressure swing adsorption

Catalyst or catalyst carrier

Drying of gas for petrochemical and automation instruments

Product Characteristic Index

Product Model	Chemical Composition (%)				Physical Properties						
	Al2O3 (%)	SiO2 (%)	Fe2O3 (%)	Na2O (%)	Lgnition loss	Bulk density (g/cm3)	Specific surface area (m2/g)	Pore volume (ml/g)	Crushing strength (N)	Abrasion rate (%)	Particle size qualifica- tion rate (%)
	≥	≤	≤	≤	≤	≤	≥	≥	≥	≤	≥
A-AS-04	91	0.10	0.04	0.50	8.0	0.75	300(Φ1-3mm)	0.4	60(Φ1-3mm)	0.3	95
							290(Φ2-4mm)		90(Φ2-4mm)		
							280(Φ3-5mm)		120(Φ3-5mm)		
							280(Φ3-5mm)		150(Φ4-6mm)		
A-AS-DF	91	0.10	0.04	0.50	8.0	≥0.65	300	0.4	40(Φ1-3mm)	0.4	
A-AS-DS	92	0.10	0.04	0.50	6.5	≥0.65	300	0.4	100(Φ3-5mm)	0.4	
A-AS-DC	50	-	-	-	10	≥0.60	150	0.3	120(Φ4-6mm)	-	
A-AS-HS	89	0.10	0.04	≥10	6-9	≥0.72	270	0.35	45(Φ1.5-2.8mm)	0.4	
A-AS-MS	52	0.10	0.04	1.0	6	0.70	≤240	0.45	100(Φ3-5mm)	0.3	
A-AS-04-HP	96	0.10	0.04	0.50	8.0	0.63-0.69	180	0.4	> 60(Φ1-3mm)	0.3	
									> 120(Φ3-5mm)		
									> 130(Φ4-6mm)		