



## NAIKE Molecular Sieve 4A

### Brief introduction

NAIKE Molecular Sieve 4A is an alkali aluminosilicate; it is the sodium form of the Type A crystal structure. 4A molecular sieve has an effective pore opening of about 4 angstroms (0.4nm). NAIKE type 4A molecular sieve will adsorb most molecules with a kinetic diameter of less than 4 angstroms and exclude those larger. Such adsorbable molecules include simple gas molecules such as oxygen, nitrogen, carbon dioxide and straight chain hydrocarbons. Branched chain hydrocarbons and aromatics are excluded



### Technical Parameter

Model	4A			
Nominal Pore Diameter	4 angstroms			
Shape	Sphere(ball)		Pellet	
Diameter	1.7-2.5	3.0-5.0	1.6	3.2
Size ratio up to grade (%)	≥98	≥98	≥96	≥96
Bulk density (g/ml)	≥0.72	≥0.75	≥0.66	0.66
Wear ratio (%)	≤0.20	≤0.20	≤0.20	≤0.20
Crushing strength (N)	≥45/piece	≥85/piece	≥30/piece	≥60/piece
Static H <sub>2</sub> O adsorption (%)	≥21.5	≥21.5	≥21.5	≥21.5
Water content (%)	≤1.0	≤1.0	≤1.0	≤1.0
Typical Chemical Formula	Na <sub>2</sub> O . Al <sub>2</sub> O <sub>3</sub> . 2SiO <sub>2</sub> . 4.5 H <sub>2</sub> O SiO <sub>2</sub> : Al <sub>2</sub> O <sub>3</sub> ≈2			
Typical Application	a)Drying and removing of CO <sub>2</sub> from natural gas, LPG, air, inert and atmospheric gases, etc.			
	b) Removal of hydrocarbons, ammonia and methanol from gas streams (ammonia svn gas treating)			
	c) Special types are used in the air break units of buses, trucks and locomotives.			
	d) Packed in small bags, it may be used simply as a packaging desiccant.			
Package:	Carton box; Carton drum; Steel drum			
MOQ:	1 Metric Ton			
Payment Terms:	T/T;L/C;Western Union			
Warranty:	a) By National Standard HGT 2524-2010			
	b)Offer lifetime consultation on problems occurred			
Container	20GP	40GP	Sample order	
Quantity	12MT	24MT	<5kg	
Delivery Time	5 days	7 days	Stock available	