



## NAIKE Molecular Sieve 13X

### Brief introduction

NAIKE Molecular Sieve 13X is the sodium form of the type X crystal and has a much larger pore opening than the type A crystal. It will adsorb molecules with a kinetic diameter of less than 9 Angstrom (0.9nm) and exclude those larger. It also has the highest theoretical capacity of the common adsorbents and very good mass transfer rates. It can remove impurities too large to fit into a type A crystal and is commonly used to separate nitrogen from oxygen.



### Technical Parameter

Model	13X			
Nominal Pore Diameter	10 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)	≥0.70	≥0.68	≥0.65	0.65
Wear ratio (%)	≤0.20	≤0.20	≤0.20	≤0.20
Crushing strength (N)	≥45/piece	≥85/piece	≥25/piece	≥40/piece
Static H <sub>2</sub> O adsorption (%)	≥27	≥27	≥27	≥27
Static CO <sub>2</sub> adsorption (%)	≥18	≥18	≥18	≥18
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> . (2.8±0.2) SiO <sub>2</sub> . (6~7)H <sub>2</sub> O SiO <sub>2</sub> : Al <sub>2</sub> O <sub>3</sub> ≈2.6-3.0			
Typical Application	a) Removal of CO <sub>2</sub> and moisture from air (air pre-purification) and other gases.			
	b) Separation of enriched oxygen from air.			
	c) Removal of n-chained compositions from aromatics.			
	d) Removal of R-SH and H <sub>2</sub> S from hydrocarbon liquid streams (LPG, butane etc.)			
	e) Catalyst protection, removal of oxygenates from hydrocarbons (olefin streams).			
	f) Production of bulk oxygen in PSA units.			
Package:	Carton box; Carton drum; Steel drum			
MOQ:	1 Metric Ton			
Payment Terms:	T/T;L/C;Western Union			
Warranty:	a)By National Standard GB_13550-1992			
	b)Offer lifetime consultation on problems occurred			
Container	20GP	40GP	Sample order	
Quantity	12MT	24MT	<5kg	
Delivery Time	5 days	7 days	Stock available	

