



## • NAIKE-CaX

### Description

CaX is an alkali metal aluminosilicate whose crystal is a calcium X-type structure. The molecular sieve can adsorb molecules with a critical diameter of 9A. It is a special molecular sieve for pressure swing adsorption and oxygen production.



### specification

Item	Unit	CaX	
Shape		Sphere (granular)	
Diameter	mm	Ø1.2~1.8	Ø1.6~2.5
Bulk Density	kg/L	0.62~0.68	0.62~0.68
Crushing strength	N/Pellet	≥12	≥18
Abrasion ratio	%wt	≤0.3	
Static N <sub>2</sub> absorption	ml/g	≥22.0	
N <sub>2</sub> /O <sub>2</sub> separation coefficient		≥4.1	
Static water absorption	%wt	≥28.0	
Water content	%wt	≤1.0	
Absorption pressure for oxygen production	KP	50	
Desorption pressure	KP	-50	
Outlet oxygen concentration	%	93	
Oxygen production capacity	/ton Molecular sieve	45m <sup>3</sup>	

Attention: CaX can't be exposed in the open air and should be stored in dry condition with air-proof package. It can be regenerated after a certain period of adsorption. The appropriate regenerated temperature would be better below 350°C.

### Main application

It mainly used for oxygen producing in air separation of pressure swing adsorption.

NAIKE Chemical Industry Equipment Packing Co., Ltd  
WWW.LAIKO.NET

