



Naike Chemical

Global equipment packing manufacturer

耐可化工·全球设备填料制造商

NAIKE CHEMICAL


since 1973

• NAIKE- 13X HP

Description

Molecular sieves 13X HP oxygen enriching molecular sieve is a new type X molecular sieve for PSA oxygen concentrator. They are widely used as catalysts to remove the nitrogen from oxygen to obtain pure oxygen, which has higher N₂ adsorption capacity and better effect in the N₂/O₂ separation process. It's also used as a desiccant agent to absorb the water, moisture, and humidity from liquids, oils and gases.

Technical Specification

Product	13X HP	
Color	Light gray	
Normal pore diameter	10 angstroms	
Shape	Sphere (ball)	
Diameter (mm)	0.4-0.8	1.6-2.5
Loss on ignition (wt%, 575°C, 1hr)	≤1.0	≤1.0
Bulk Density (g/ml)	≥0.62	≥0.62
Crushing strength (N)	/	≥30/piece
Static H ₂ O absorption (wt% RH60%, 25°C)	≥30	≥30
Static CO ₂ adsorption (wt% 250mmHg, 25°C)	> 20.5	> 20.5
Attrition (wt%)	≤0.2	≤0.2
Particle Ration (%)	≥95	≥97
N ₂ adsorption (ml/g)	8.5~9	8.5~9
N ₂ /O ₂ separation coefficient (a)	>3.4	>3.4

Advantages

1. Highest adsorption performance.
2. Microporosity 10A.
3. Rapid transfer rates.
4. Long-acting adsorption.

Application

It's widely used in industrial PSA Oxygen Generation and as medical Oxygen Concentrator which has ability to separate oxygen from air streams.

NAIKE Chemical Industry Equipment Packing Co.,Ltd

