

## **4A Molecular Sieve**



## **Product introduction:**

Xintao Molecular Sieve type 4A is an alkali alumina silicate; 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). Xintao type 4A molecular sieve will adsorb most molecules with a kinetic diameter of less than 4 angstroms and exclude those larger. Such adsorb-able molecules include simple gas molecules such as oxygen, nitrogen, carbon dioxide and straight chain hydrocarbons. Branched chain hydrocarbons and aromatics are excluded.

Chemical Molecular 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)

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Model	4A			
Color	Light gray			
Nominal pore diameter	4 angstroms			
Shape	Sphere		Pellet	
Diameter (mm)	1.6-2.5 (8*12 mesh)	3.0-5.0 (4*8 mesh)	1.5-1.7 (1/16 inch)	3.0-3.3 (1/8 inch)
Bulk density (g/ml)	≥0.70	≥0.70	≥0.66	≥0.66
Crushing strength (N/piece)	≥35	≥100	≥40	≥80
Size ratio up to grade (%)	≥98	≥98	≥98	≥98
Static H <sub>2</sub> O adsorption (%)	≥22	≥22	≥22	≥22
Static methanol adsorption(%)	≥15.0	≥15.0	≥15.0	≥15.0
Water content (%)	≤1.5	≤1.5	≤1.5	≤1.5
Wear ratio (%)	≤0.20	≤0.20	≤0.20	≤0.20

## **Technical Parameter**

**Typical Application:** a) Deep drying of air, natural gas, alkanes, refrigerants and other gases and liquids.

b) Static drying of pharmaceutical packaging, electronic components and perishable objects.

c) The preparation and purification of Air.

d) As a dehydrating agent in paint and fuel.

Warranty:	By National Standard HG/T 2524-2010.	
	Free consultation during the warranty period.	
Attention:	Store in a cool & dry place.	
Normal Package:	1000L/super sack, 220L/steel drum.	

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