

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: $\text{Na}_2\text{O} \cdot \text{Al}_2\text{O}_3 \cdot 2\text{SiO}_2 \cdot 4.5 \text{H}_2\text{O}$ ($\text{SiO}_2 : \text{Al}_2\text{O}_3 \approx 2$)

Technical Parameter

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 ₂ 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

- 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..