

XR403 Molecular Sieve 5A

Products Introduction:

XR403 **Molecular sieve 5A** is an adsorbent used for desulphurization during nature gas purification process. Specially developed molecular sieves can also be used in PSA oxygen generator and PSA hydrogen purification process.

XR403 Molecular sieve 5A is made by synthetic zeolite powder 5A with selected mineral binder. XR403 Molecular sieve 5A has an effective pore opening of 5Å (0.5nm), it can adsorb molecules which diameter less than 5Å (0.5nm), is mainly used for desulphurization during nature gas purification process.

Characteristics:

Istable and excellent static and kinetic adsorption capacity

Ihigher crush strength

Property	Unit	Bead		Pellet		Note
		8x12	4x8	1/16"	1/8"	
Static Water Adsorption	%wt	≥ 21.50	≥ 21.50	≥ 21.50	≥ 21.50	RH50%, 25°C
Crush Strength	N	≥ 30.00	≥ 80.00	≥ 30.00	≥ 70.00	Avg. 25 beads
Crush Strength	lbs	≥ 7.00	≥ 18.00	≥ 7.00	≥ 16.00	Avg. 25 beads
Bulk Density	g/ml	≥ 0.68	≥ 0.68	≥ 0.64	≥ 0.64	Settle
Bulk Density	lbs/ft ³	≥ 42.00	≥ 42.00	≥ 40.00	≥ 40.00	Settled
Loss on Ignition	%wt	≤ 1.50	≤ 1.50	≤ 1.50	≤ 1.50	575°C, 1hr

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Loss on Attrition	%wt	≤ 0.10	≤ 0.10	≤ 0.30	≤ 0.30	~
Particle Ratio	%	≥ 97.00	≥ 99.00	~	~	~

Application:

1. Adsorb H₂O, CO₂, H₂S from sour natural gas streams, while decreasing COS formation.
2. Separation of normal- and iso-paraffins.
3. Production of high purity N₂, O₂, H₂ and inert gases from mixed gas streams.

Storage:

Avoid moisture, avoid scrolling, throw and sharp shocking during transportation, rainproof facilities should be readied..

It should be stored in dry and ventilated warehouse to prevent contamination or moisture.

Packaging information:

Type	Carton	Drum	Super sack
Bead	25kg/ 55lb	140 kg/ 208 lb	1000kg/ 2200 lb
Pellet	25kg/ 55lb	130 kg/ 286 lb	1000kg/2200 lb

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