

洛阳建龙微纳新材料股份有限公司 Luoyang Jalon Micro-nano New Materials Co., Ltd.

Add: Junmin Road No.7, Industrial Cluster Zone, Yanshi District, Luoyang, Henan, China, 471000Tel: +86-379-6989 5719Fax: +86-379-6989 5717Web: www.jalonzeolite.com

Molecular Sieve 5A

Molecular Sieve 5A is an alkali aluminosilicate; it is the calcium form of the Type A crystal structure. Type 5A has an effective pore opening of 5 angstroms (0.5 nm). It will adsorb molecules with a kinetic diameter of less than 5 Angstrom and exclude molecules larger than 0.5nm. It is especially suitable for PSA adsorber applications where it may be used for the separation of normal- and iso-paraffins (C4 to C6 species), in PSA hydrogen purification and in oxygen concentrators.

| Property | Unit | Bead | | Pellet | | Note |
|-------------------------|------|---------|---------|--------|--------|-----------------------|
| Diameter | mm | 1.6-2.5 | 3.0-5.0 | 1/16" | 1/8" | |
| Static Water Adsorption | %wt | ≥22.00 | ≥22.00 | ≥21.00 | ≥21.00 | RH50%, 25℃, Activated |
| Bulk Density | g/ml | ≥0.70 | ≥0.68 | ≥0.64 | ≥0.64 | Tapped |
| Water Content | %wt | ≤1.50 | ≤1.50 | ≤1.50 | ≤1.50 | 550℃, 1hr |
| Loss on Attrition | %wt | ≤0.10 | ≤0.10 | ≤0.20 | ≤0.30 | ~ |
| Crush Strength | N | ≥30 | ≥80 | ≥30 | ≥80 | Avg. 25 beads |
| Particle Ratio | % | ≥98 | ≥98 | ≥98 | ≥94 | ~ |

Recommended Application:

- 1. The strong ionic forces of the divalent calcium ion makes it an excellent adsorbent to remove water, CO2, H2S from sour natural gas streams, while decreasing COS formation. It can also adsorbs light mercaptans.
- 2. It is also used for the separation of normal- and iso-paraffins.
- 3. Production of high purity N2, O2, H2 and inert gases from mixed gas streams.

Packing:

- 55 gallon air-tight iron drum,
- Super Sack

*Other packing according to your requirement.