

# BASF 4A Molecular Sieve

BASF 4A Molecular Sieve is a synthetic crystalline aluminosilicate with a regular micropore structure

Zeolite Structure	A type (LTA)
Pore Size	4 Å (0.4 nm)
Chemical Formula	$\text{Na}_2\text{O} \cdot \text{Al}_2\text{O}_3 \cdot 2 \text{SiO}_2 \cdot n \text{H}_2\text{O}$

## Product Applications

BASF 4A Molecular Sieve is a widely used adsorbent for many different applications. BASF 4A exhibits high water adsorption capacity at low partial pressures and at temperatures up to 100 °C.

BASF 4A Molecular Sieve is commonly used for drying of organic liquids (solvents, oils, gasoline, and other saturated hydrocarbons), air, liquid gases (propane, butane), as well as noble and other gases (H<sub>2</sub>, N<sub>2</sub>, He, Ar, etc.)

## Regeneration

Regeneration of BASF 4A Molecular Sieve may be carried out by increasing the temperature and/or reducing the pressure or using a suitable purge gas, respectively.

## Packaging

- 216 L (135 kg) air tight steel drums
- Polypropylene inliner equipped big bags of different sizes (650 – 800kg net)

## Typical Properties

Beads Size Range, nominal, mm	1.6 – 2.5	2.5 – 5.0
Mesh Range, approx	8 x 12	4 x 8
Bulk Density, compacted, g/L	725 - 795	725 - 795
Attrition, % wt	Max 0.2	Max 0.2
Crush Strength, N/bead	Min 25	Min 50
Moisture Content (as delivered, % wt)	Max 1.0	Max 1.0
Water Adsorption Capacity*, 55% relative humidity, 20 °C, % wt	Min 21.5	Min 21.5

\* Sample activated. Other beads and sizes available on request.

## About Us

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