

BASF 3A Molecular Sieve

BASF 3A Molecular Sieve is a synthetic crystalline aluminosilicate with a regular micropore structure.

Zeolite Structure	A type (LTA)
Pore Size 3	Å (0.3 nm)
Chemical Formula	$x \text{K}_2\text{O} \cdot (1 - x) \text{Na}_2\text{O} \cdot \text{Al}_2\text{O}_3 \cdot 2 \text{SiO}_2 \cdot n \text{H}_2\text{O}$

Product Applications

BASF 3A Molecular Sieve is commonly used for drying of gases and polar liquids (methanol, ethanol) and easily polymerizable substances, such as unsaturated hydrocarbons (ethylene, propylene, acetylene and butadiene).

Regeneration

Regeneration of BASF 3A 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 liner 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 21.0	Min 21.0

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

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BASF - We create chemistry

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