



Product Information

Doc: PI-SIO-07

Date: 09 / 2024

OBRA Molecular sieve 10Å

Revision: 01



OBRA Molecular sieve 10Å

is a crystalline, highly porous sodium aluminosilicate. Gases and liquids can be adsorbed reversibly or separated selectively due to the special crystal lattice with absolutely uniform, spherical cavities connected by channels. The large internal surface area of 600 – 700 m²/g and the polar characteristics of the molecular sieve structure result in a strong bond of adsorption. The pore openings are approx. 10Å across – molecules larger than this will not be adsorbed.

OBRA Molecular sieve 10Å

is the preferred choice wherever it is important to remove traces of impurities in gases, vapors and liquids or where high levels of purity - e.g. extremely low dew points - are to be achieved. The property of having a high absorption capacity even at low partial pressures is also retained at higher temperatures.

Basis

Formula	$\text{Na}_{86}[(\text{AlO}_2)_{86} (\text{SiO}_2)_{106}] \cdot \text{H}_2\text{O}$	CAS-No.	1318 – 02 – 1
---------	---	---------	---------------

Characteristics

Adsorption capacity at 40% rel.Humidity	min. 21.0 %	Moisture loss (1h, 550°C)	max. 2.5 %
Bulk density (tapped)	min. 650 g/l	Grain size	1.6 – 2.5 mm

Packaging

Steel drum	with polyethylene inliner 125 kg
------------	----------------------------------

Big Bag	with polyethylene inliner
---------	---------------------------

Note

Any details of application possibilities do not free the purchaser from the obligation of performing their own suitability tests on the material supplied by the seller. Application, use and processing of the material cannot be controlled by the seller and are thus the sole responsibility of the purchaser.

OBRA molecular sieve 10Å must always be kept in airtight containers to avoid adsorption with water vapor. Face masks should be used at continual exposure to extensive dusting.

OKER-CHEMIE GmbH

© OKER-CHEMIE GmbH

Im Schleeke 77 · 38642 Goslar ·

☎: 05321 / 74351-10 ✉ vertrieb@oker-chemie.de 🌐: <http://www.oker-chemie.de>