

Tel. +387 56 / 260 970, 260 435 Faks. +387 56 / 260 726 email: sec@birac.ba www.aluminazv.ba	TECHNICAL DATA SHEET	nova alumina
---	---------------------------------	---------------------

ZEOLITE MORDENITE – Na form

Mordenite is considered a one-dimensional zeolite containing straight 12-membered ring channels of $7 \times 6.5 \text{ \AA}$, and smaller 8 membered ring side pockets. Acidity can be introduced by converting the as synthesized sodium form into the proton form by ion-exchange. Mordenite is characterized by its large pore size, strong acidity, and high thermal and chemical stability.

Technical data

Properties	Chemical and Physical Characteristics		
	unit	Typical Value	Guarantee Value
LOI (1000°C, 1 h)	%		max 20
Molar ratio $\text{SiO}_2/\text{Al}_2\text{O}_3$			11-18
D50	μm	2	1 - 5
Na	%	1	max 8
pH (10% water suspension)			11 ± 1
Visual inspection			White powder
Crystallinity XRD	%	100	95 min

The above values have been determined by the measuring methods and instruments of Nova Alumina doo Zvornik.

Applications

Mordenite is generally used in alkylation, dewaxing, reforming, hydrocracking, catalysis, separation, and purification reactions, although the application is not limited on mentioned.

Packaging

We offer different types of packaging depending on your production needs:

Type of packing	Bulk (t)	Big bags (kg)	
Logistic units	Silo truck	Per pallet	Big bags - different types
Mass per logistic unit	25	450, 500	

Specific type of packaging can be offered on demand.

Logistics

In order to meet your requirements in terms of delivery, we offer different logistic solutions. Our basic offer in terms of TRANSPORTATION is:

Type of Transportation	Road transportation	Rail transportation
Packaging	In bulk or in bags on pallet.	In bulk or in bags on pallet.

Other type of delivery on demands.