

ZEOLITE ZeAL 130

ZeAL 130 zeolites (13X zeolite) is a white powder, crystalline structure characterized by a cubic faujasite-type framework and ring sizes of 12, 6, and 4 T-atoms. The zeolite's three-dimensional framework is composed of one large supercage of approximately 13 Å and the sodalite cages.

Technical data

Properties	Chemical Characteristics	
	unit	Guarantee Value
LOI (1000° C, 1h)	%	20 - 25,5
Al ₂ O ₃	%	34 - 37
Na ₂ O	%	18 - 23
SiO ₂	%	42 - 48
SiO ₂ /Al ₂ O ₃		2,1-2,6
Adsorption CO ₂ (45 mbar, 20 °C)	%	min 15,5
Water Adsorption Capacity (50% relative humidity, 20 °C)	%	min 28
Properties	Physical Characteristics	
	unit	Guarantee Value
Bulk Density	kg/m ³	270 - 400
pH (10% water suspension, 25 °C)		11±1
D50	µm	2,5 - 6
Sieve residue (wet sieving; > 45 µm)	%	0.5 max
Cristallinity XRD	%	95 min

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

Applications

13X Zeolite is commonly used for the dehydration of gases and solvents, removal of water from air, and purification of natural gas streams. Additionally, it is utilized in adsorption processes for the refining of petrochemicals and removal of impurities from various liquid and gas streams.

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.