

Tel. +387 56 / 260 970, 260 435 Faks. +387 56 / 260 726 email: <a href="mailto:sec@birac.ba">sec@birac.ba</a> <a href="http://www.nova-aluminazv.ba">www.nova-aluminazv.ba</a>	<b>TECHNICAL DATA SHEET</b>	<b>nova alumina</b>
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## Non-metallurgical alumina

Non-metallurgical alumina is a white, crystalline form of aluminum oxide ( $Al_2O_3$ ) used in a variety of industrial applications.

### Technical data

Properties	Chemical Characteristics		
	unit	Typical Value	Guarantee Value
$Al_2O_3$	%	98,8 – 99,5	98,7 min
$SiO_2$	%	0,005 – 0,010	0,02 max
$Fe_2O_3$	%	0,008 – 0,012	0,02 max
$Na_2O$	%	0,140 – 0,170	0,20 max
$CaO$	%	0,013 – 0,017	0,02 max
$P_2O_5$	%	0,0002 – 0,0005	0,001 max
$TiO_2$	%	0,0020 – 0,0027	0,005 max
$ZnO$	%	0,010 – 0,017	0,020 max
Properties	Physical Characteristics		
	unit	Typical Value	Guarantee Value
Specific surface area BET	$m^2/g$	75 – 90	70 min
Bulk Density	$kg/m^3$	1000 – 1050	1070 max
LOI (300-1000°C)	%	0,6 – 0,9	1,00 max
Moisture (0-300°C)	%	0,6 – 2,0	2,0 max
Angle of repose	°	32 – 34	35 max
> 45 microns	%	80 – 90	75 min
< 20 microns	%	1,0 – 2,0	4,0 max

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

### Applications

Non-metallurgical alumina is used in a wide range of applications, including the manufacture of refractories, abrasives, ceramics, aluminum sulfate, fire retardants, and various other industrial materials.

### Packaging

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

Type of packing	Bulk (t)	Big bags (kg)		Small bags (kg)	
Logistic units	Silo truck	Per pallet	Big bags - different types	Per pallet	Small bags – different types
Mass per logistic unit	25	1000, 1100, 1200		1000	15, 20, 25

*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.*