



Aluminum Oxide

Opta Minerals your source for Blast Cleaning Abrasives:

- Aluminum Oxide
- Blackblast - Coal Slag
- Chilled Iron Grit
- Corn Cobs
- Ebonygrit - Copper Slag
- International Garnet
- Garnet
- Glass Beads
- Greengrit - Crushed glass
- Plastic Media
- Powerblast LS - Staurolite
- Super Steel Shot
- Super Steel Grit
- Ultrablast - Nickel Slag
- Walnut Shells
- Blast Cleaning Equipment

Contact Us

Our sales team is ready to help you to determine the right product for your job.
 For more information please call us:
 Toll-free: 888-689-6661
 Tel: 519-720-9694
 E-mail: info@optaminerals.com
 Visit: www.optaminerals.com

Aluminum oxide is the second-hardest mineral after diamond.

Opta Minerals makes brown aluminum oxide produced by fusing bauxite and anthracite in an electric arc furnace at high temperature.

The resulting oxide is over 95% Al_2O_3 . Its high density and angular sharpness make it one of the fastest, most versatile and economical cutting abrasives available, usable in both dry and wet blasting applications from cleaning and deburring to etching and finishing.

Opta Minerals offers a wide range of grades to meet the particular needs of your job, from a coarse profile to a micro finish.



ADVANTAGES OF ALUMINUM OXIDE

- Wide range of grades available for different jobs and profiles
- Non-reactant – will not interfere with your coatings
- The high percentage of TiO_2 (2.8%) shows the toughness of the product, which results in longer cutting life, more circulations before breaking down and increased cost-effectiveness.
- No detectable "crystalline silica"

AVAILABLE SIZES

Grit No	Micron
8	2800 - 2360
10	2360 - 2000
12	2000 - 1700
14	1700 - 1400
16	1400 - 1180
20	1180 - 1000
24	1000 - 850
30	850 - 710
36	710 - 600
40	600 - 500

AVAILABLE SIZES

Grit No	Micron
46	425 - 355
54	355 - 300
60	300 - 250
70	250 - 212
80	212 - 180
90	180 - 150
100	150 - 125
120	125 - 106
150	106 - 75
180	90 - 63
220	75 - 53

TECHNICAL SPECIFICATIONS (IN %)

Symbol	Name	Percentage
Al ₂ O ₃	(Aluminum Oxide)	96.4%
TiO ₂	(Titanium Dioxide)	2.8%
SiO ₂ (total)	(Silicon Dioxide - Amorphous)	0.56%
CaO	(Calcium Oxide)	0.15%
MgO	(Magnesium Oxide)	0.11%
Fe ₂ O ₃	(Iron Oxide)	0.08%

TECHNICAL SPECIFICATIONS (IN %)

Colour:	Brown
Bulk Density:	115–125 lbs/ft ³
Specific Gravity:	3.9
Grain Shape:	Angular / sharp
Solubility:	Insoluble
Hardness:	9 Mohs

PACKAGING

50 lb paper bags, 40 bags/pallet