



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 XC - Staurolite
- Powerblast GS - Indian Garnet
- Super Steel Shot
- Super Steel Grit
- Sodium Bicarbonate (Soda Blasting)
- Ultrablast - Nickel Slag
- Walnut Shells
- Blast Cleaning Equipment

Contact Us

Contact us today and let our experienced sales team help you find the right product to meet your needs. For more information please call us:
 Toll-free: 1-888-689-6661
 Tel: (905) 689-6661
 Email: info@optaminerals.com
www.optaminerals.com

Aluminum Oxide

Aluminum Oxide is the second-hardest mineral after diamond.

Opta Minerals distributes brown Aluminum Oxide produced by fusing bauxite and anthracite in an electric arc furnace at high temperature.

The resulting Oxide is over 92% Al₂O₃. Its high density and angular sharpness make it one of the fastest, most versatile and economical cutting abrasives available. Aluminum Oxide is used in both dry- and wet-blasting applications for cleaning, deburring, etching and finishing.

Opta Minerals offers a wide range of grades to meet the particular needs of your applications, 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 TiO₂ (1-4%) 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
46	425 - 355
54	355 - 300

AVAILABLE SIZES (cont'd)

Grit No	Micron
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

Symbol	Name	Percentage
Al ₂ O ₃	(Aluminum Oxide)	92.0 – 96.5
TiO ₂	(Titanium Dioxide)	1.0 – 4.0
Fe ₂ O ₃	(Iron Oxide)	0.1 – 1.5
SiO ₂ (total)	(Silicon Dioxide – Amorphous)	0.0 – 1.0

Less than 1.0% impurities and other trace elements.

CHARACTERISTICS

Colour:	Brown
Bulk Density:	115 – 125 lb/ft ³
Specific Gravity:	3.9
Grain Shape:	Angular/sharp
Solubility:	Insoluble
Hardness:	9 Mohs (see our hardness index)

PACKAGING

50 lb. paper bags, 40 bags/pallet