



RockRidge Abrasives

Aluminum Oxide Information Guide



RockRidge® Aluminum Oxide is manufactured in an electric arc furnace that produces an extremely tough, long-lasting abrasive grain which is graded to macrogrit exacting standards. Aluminum Oxide can be repeatedly recirculated. It is also chemically stable.

Aluminum Oxide is suitable for wet or dry surface preparation, cleaning, deburring, and cutting of various metals, ceramics, glass, wood, rubber, plastic, stone, and composite materials.

RockRidge® Aluminum Oxide comes in either Brown-Fused or White-Fused. Brown-Fused Aluminum Oxide is a standard blasting abrasive while White-Fused Aluminum Oxide is a high-purity abrasive that is ideal for when the application requires minimal foreign contamination or higher friability.





RockRidge® offers Brown-Fused and White-Fused Aluminum Oxide in the following grit sizes:

- 10
- 12
- 14
- 16
- 20
- 24
- 30
- 36
- 46
- 54
- 60
- 70
- 80
- 90
- 100
- 120
- 150
- 180
- 220
- 240

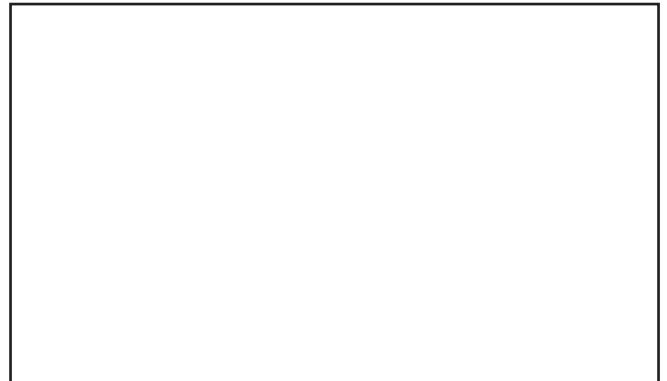
Typical Chemical Analysis:	BFAO	WFAO
Aluminum Oxide (Al_2O_3)	96.69%	99.78%
Titanium Dioxide (TiO_2)	2.52%	N/A
Sodium Oxide (Na_2O)	N/A	0.16%
Silicon Dioxide (SiO_2)	0.44%	0.02%
Iron Oxide (Fe_2O_3)	0.10%	0.04%
Others (MgO , CaO , Cr_2O_3)	0.25%	N/A



Physical Characteristics:

Crystal Form:	<i>Alpha-Alumina</i>
True Density:	<i>3.95 g/cm³</i>
Hardness:	<i>Knoop (100) 2050 kg/mm, Mohs 9.0</i>
Melting Point:	<i>2000°C</i>
Color:	<i>Brown-Tan or White</i>

distributed by:



RockRidge® Aluminum oxide is available in a variety of packaging options:

- 50 lb. paper bags
- 400 lb. fiber drums (grade sizes 8 – 120 grit)
- 380 lb. fiber drums (grade sizes 150 – 240 grit)
- 2000 lb. supersacks