



TECHNICAL DATA SHEET

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RockRidge White-Fused Aluminum Oxide

Product: White-Fused Aluminum Oxide- Blasting Grain and Bonded Abrasive Grain

Description: White aluminum oxide is a high-purity abrasive electrically fused from Bayer processed alumina. This product is ideal for applications that require minimal foreign contamination or higher friability than regular brown-fused aluminum oxide.

Applications: White aluminum oxide macrogrits are used for all kinds of bonded abrasives: surface grinding, external, and internal cylindrical grinding, creep-feed grinding of low or unalloyed steel, etc. General industrial applications include pressure blasting, micro-derm abrasion, anti-skid, and lapping.

Typical Physical Characteristics:

Crystal Form	Alpha-Alumina
True Density	3.95 g/cm ³
Hardness	Knoop (100) 2500 kg/mm, Mohs 9.0
Melting Point	2000°C
Color	White

Certifications Available:

ANSI and FEPA
Agency and Mil-specs

Typical Bulk Density (g/cm³):

Grit	BD	Grit	BD
8	-	60	1.63-1.73
10	-	70	1.62-1.72
12	1.78-1.88	80	1.59-1.69
14	1.78-1.88	90	1.58-1.68
16	1.78-1.88	100	1.55-1.65
20	1.78-1.88	120	1.52-1.62
24	1.77-1.87	150	1.50-1.60
30	1.75-1.85	180	1.46-1.56
36	1.73-1.83	220	1.44-1.54
46	1.70-1.80	240	1.43-1.53
54	1.66-1.76		

Typical Chemical Analysis:

Mineral	%
Aluminum Oxide (Al ₂ O ₃)	99.78 %
Sodium Oxide (Na ₂ O)	0.16 %
Silicon Dioxide (SiO ₂)	0.02 %
Iron Oxide (Fe ₂ O ₃)	0.04 %

For any questions or concerns, please contact RockRidge Abrasives at:
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