



V-BLAST - Brown Fused Aluminum Oxide

V-Blast is a Virgin Brown Fused Aluminum Oxide $Al^2 O^3$ (VBFA) that has been crushed (using ONLY certified crude) and screened to meet industry specifications. VBFA is made from a mixture of calcined bauxite (alumina), coke, and iron fillings. The mixture is fused at 2000°C in an arc furnace and reduced to remove undesirable oxides. After cooling and solidifying, the resulting aluminum oxide is processed into a full range of grit sizes.

Testing Standards:

Size Specifications: ANSI B74.12-2001
Size Specifications: MIL-A-21380B
Size Specifications: A-A-59316
Size Specifications: MMS 411
Size Specifications: GE D50TF5-S8
Bulk Density: ANSI B74.4-1992 R-1997
Magnetic Content: ANSI B74.14-1992-R-2000
Chemical Analysis Method: ANSI B74.14-2007

Product Characteristics:

Crystal Form: Alpha Aluminum
Hardness: Knoop 2000; MOHS 9.0
Fusion Point: 2020° Celsius
True Specific Gravity: 3.96 g/cm³
Magnetics (%): 0.0189
Bulk Density (g/cm³): 1.86
Friability: 3.43%

Chemical Analysis:

CHEMICAL	Al ² O ³	Ti O ²	Si O ²	Fe ² O ³	Ca O	Mg O
PERCENT	95.0	3.2	1.3	0.2	0.3	0.4
MIN/MAX	min	max	max	max	max	max

Applications:

Abrasive Blasting, Grinding, Lapping, Deburring, Tumbling, Refractories, Buffing Compounds, Etching, Non-Slip Surfaces, Fluidized Beds, Plasma Sprays.

Sizes Available:

8, 10, 12, 14, 16, 20, 24, 30, 36, 46, 54, 60, 70, 80, 90, 100, 120, 150, 180, 220, 240, DCF

* Additional sizes, specifications and custom blends may be available. Please contact your sales rep for further details.

Packaging:

50-lb. Bags | 400-lb. Fibre Kegs | 2000-lb. Bulk Bags | 800-lb. Steel Drums

