

GRAYSTAR[★] LLC

Ceramic Minerals and Specialty Materials

Sales Office

8500 Sheridan Dr
Williamsville, NY 14221
Phone: 716-633-0077
Fax: 716-633-0099
Quality Manager: rprevite@graystarllc.com

Headquarters

9 Simmonsville Rd
PO Box 1670
Bluffton, SC 29910
Phone: 843-815-5600
Fax: 843-815-5601

Technical Data Sheet

Product: Alumina Zirconia (25%)

Description: ZF Alundum is a hard, very tough, sharp abrasive. It is produced by fusing zircon sand and alumina at about 1900°C.

Applications: Alumina zirconia is used primarily for producing large grinding wheels for foundry snagging and track grinding. It is also an excellent blasting material for granite and other materials where long life is required.

Typical Chemical Analysis:

Aluminum Oxide (Al ₂ O ₃)	75.00%
Zirconium Oxide (ZrO ₂)	23.00%
Titanium Dioxide (TiO ₂)	0.40%
Silicon Dioxide (SiO ₂)	0.30%
Iron Oxide (Fe ₂ O ₃)	0.30%
Sodium Oxide (Na ₂ O)	0.08%
Calcium Oxide (CaO)	0.10%
Magnesium Oxide (MgO)	0.03%
Sulfur (S)	0.06%

Physical Characteristics:

Crystal Size:	17 Microns
True Density:	4.60 g/cm ³
Hardness:	Knoop 1600, Mohs 9.0
Melting Point:	1900°C
Loose Pack Density:	1.985 – 2.380 g/cm ³
Bulk Density Range:	132 – 159 lbs/ft ³

ANSI Test Methods:

Chemistry:	B74.14
Sizing:	B74.12
Bulk Density:	B74.4

Packaging & Shipping:

Warehousing in Bluffton, SC and Niagara Falls, NY
400 lb. fiber drums grade sizes 8 – 120
2000 lb. supersacks
Plastic pails, etc. for a surcharge (SC only)

Manufacturers and Distributors of Abrasive Materials