

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: Bubble Zirconia

Description: A fused, lime stabilized Bubble Zirconia which is excellent for refractory applications due to its thermal shock resistance and chemical stability.

Typical Chemical Analysis:

Zirconium Oxide (ZrO ₂)	94.85%
and Hafnium Oxide (HfO ₂)	
Calcium Oxide (CaO)	3.80%
Aluminum Oxide (Al ₂ O ₃)	0.80%
Silicon Dioxide (SiO ₂)	0.40%
Titanium Dioxide (TiO ₂)	0.10%
Iron Oxide (Fe ₂ O ₃)	0.05%

Physical Characteristics:

Crystal Form:	Cubic and Monoclinic mixture
True Density:	5.60 – 5.70 g/cm ³
Hardness:	Knoop 1160, Mohs 6.5
Melting Point:	2550°C
Loose Pack Density:	1.27 – 3.0 g/cm ³
Color:	Golden (Yellow)

ANSI Test Methods:

Chemistry:	B74.14
Sizing:	All custom sizes available
Bulk Density:	B74.4

Packaging & Shipping:

Warehousing in Bluffton, SC and Niagara Falls, NY
55 lb. paper bags
300 lb. fiber drums
2200 lb. supersacks
Plastic pails, etc. for a surcharge (SC only)

Manufacturers and Distributors of Abrasive Materials