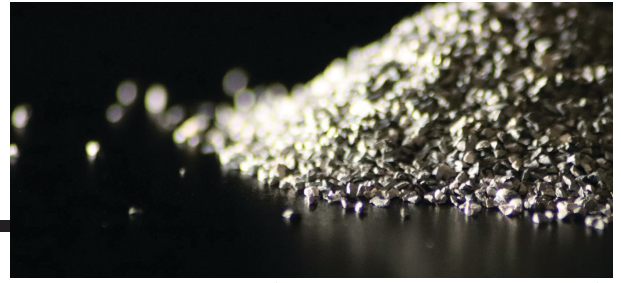




GNP Graystar

Specialty Materials



TECHNICAL DATA SHEET

Alumina Zirconia 25%

Typical Chemistry

Aluminum Oxide (Al ₂ O ₃)	75.0 %
Zirconium Oxide (ZrO ₂)	23.0 %
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
Melting Point	1900°C
Hardness	Knoop (100): 1600 Mohs: 9.0
Loose Pack Density:	1.985 - 2.380 g/cm ³
Bulk Density Range	132 - 159 lbs./ft ²

Test Methods

Chemistry	ANSI B74.14
Bulk Density	ANSI B74.4
Sizing	ANSI B74.12-2003

Description:

GNP Graystar's Alumina Zirconia 25% is a hard, very tough, sharp abrasive. It is produced by fusing zircon sand and alumina at about 1900°C.

Applications:

GNP Graystar's Alumina Zirconia 25% 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, as well as in some refractory applications.

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