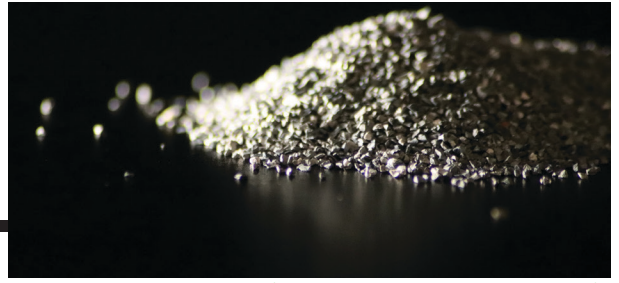




GNP Graystar

Specialty Materials



TECHNICAL DATA SHEET

Alumina Zirconia 40%

Typical Chemistry

Aluminum Oxide (Al ₂ O ₃)	60.0 %
Zirconium Oxide (ZrO ₂)	39.0 %
Titanium Dioxide (TiO ₂)	0.25 %
Silicon Dioxide (SiO ₂)	0.33 %
Iron Oxide (Fe ₂ O ₃)	0.25 %
Sodium Oxide (Na ₂ O)	0.03 %
Calcium Oxide (CaO)	0.09 %
Magnesium Oxide (MgO)	0.02 %

Physical Characteristics

Crystal Size	12 Microns
True Density	4.60 g/cm ³
Melting Point	1900°C
Hardness	Knoop (100): 1600 Mohs: 9.0
Loose Pack Density:	1.90 - 2.30 g/cm ³
Bulk Density Range	126-146 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 40% 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 40% is used for both coated abrasive products and organic bonded grinding wheels.

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