



**GNP Ceramics, LLC**

## Technical Data

# White Aluminum Oxide Microgrits

### *White Aluminum Oxide Microgrits*

#### Description:

*White Aluminum Oxide is electrically fused in an arc furnace using Bayer process high purity alumina . The final product is used in applications where higher purity levels and lower iron content is desired as compared to brown aluminum oxide.*

#### Applications:

*GNP Ceramics White Aluminum Oxide powders are used for precision lapping, micro blasting, fine grit bonded and coated applications, thermal coatings ,and polishing compounds.*

#### Contact us:

*8500 Roll Rd  
Clarence Center, NY 14032  
phone 716-406-2222  
fax 716-406-2226*

#### **Typical Chemistry**

Aluminum Oxide (Al <sub>2</sub> O <sub>3</sub> )	99.26%
Titanium Oxide (TiO <sub>2</sub> )	.02%
Silicon Dioxide (SiO <sub>2</sub> )	.02%
Sodium Oxide (Na <sub>2</sub> O)	.60%
Iron Oxide (Fe <sub>2</sub> O <sub>3</sub> )	.08%
Others	.02%

#### **Physical Characteristics**

Crystal Form:	Alpha-Alumina
True Density:	3.95 g/cm <sup>3</sup>
Melting Point:	2000°C
Hardness:	Mohs 9.0

#### **Test Methods**

Sizing: FEPA F Standard 42-2:2006  
FEPA P Standard 43-2:2006  
JIS R 6001-1987

Micron sizes based on Coulter Multisizer

### **Manufacturers and Distributors of Premium Ceramic Materials**

Silicon Carbide    Aluminum Oxide    Boron Carbide    Zirconias    Ceramic Media  
Atlanta   Buffalo   Dallas   Houston   Indianapolis   Grand Rapids   Los Angeles   Phoenix   Portland   San Antonio