



**GNP Ceramics, LLC**

## Technical Data

# Brown Aluminum Oxide Microgrits

### Typical Chemistry

Aluminum Oxide (Al <sub>2</sub> O <sub>3</sub> )	95.62%
Titanium Oxide (TiO <sub>2</sub> )	2.54%
Silicon Dioxide (SiO <sub>2</sub> )	1.12%
Iron Oxide (Fe <sub>2</sub> O <sub>3</sub> )	0.42%
Others	0.3%

### 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  
Custom sizes  
Micron sizes based on Coulter Multisizer

### *Brown Aluminum Oxide Microgrits*

#### Description:

*Brown Aluminum Oxide is fused in an electric arc furnace and produces a high strength, tough, and extremely durable grain. GNP Ceramic's Brown Aluminum Oxide is a medium to high density product which is available in standard grades, or can be custom graded for your application.*

#### Applications:

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

#### Contact us:

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

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