GNPGraystar
Specialty Materials

TECHNICAL DATA SHEET
Semi-Friable Brown Aluminum Oxide

Typical Chemistry

	Microgrits
Aluminum Oxide (Al_2O_3)	98.30 %
Titanium Oxide (TiO_2)	1.58 %
Silicon Dioxide (SiO_2)	0.04 %
Iron Oxide (Fe_2O_3)	0.04 %
Calcium Oxide (CaO)	0.02 %

Physical Characteristics

Crystal Form	Alpha - Alumina
True Density	3.95 g/cm^3
Melting Point	2000°C
Color	Brown
Hardness	Knoop (50): 2100 Mohs: 9.0

Test Methods

Macrogrit Sizing:	ANSI B74.12 Table 2 ANSI B74.12 Table 3 Customer Specific Standards
Microgrit Sizing:	FEPA F Standard 42-2:2006 FEPA P Standard 43-2:2006 JIS R 6001-1987 Custom Sizes Available

Certifications Available

ANSI and FEPA
Agency & Mil-Specs (such as A-A-59316 & MIL-A-22262B)
Pratt & Whitney, Rolls Royce, Praxair, Stryker, etc.

Description:

GNPGraystar's Semi-Friable Brown Aluminum Oxide is fused in an electric arc furnace and produces a self-sharpening fused abrasive grain. **GNP**Graystar's semi-friable brown aluminum oxide is a low to medium bulk density product which is available in standard grades or can be custom graded for your application.

Applications:

GNPGraystar's Semi-Friable Brown Aluminum Oxide is used in all types of bonded and coated abrasive applications for ferrous and normal alloy steels.

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