Brown Aluminum Oxide - Technical Data Sheet

Product: Brown Fused Aluminum Oxide – Blasting Grain

Description: Aluminum Oxide is manufactured in an electric arc furnace that produces an extremely tough, long-lasting grain which is graded to exacting size standards. It may be repeatedly recirculated and is chemically stable and not affected by alkalis, acids or harmful atmospheres.

Applications: Suitable for wet or dry surface preparation, cleaning, deburring and cutting of various metals, ceramics, glass, wood, rubber, plastic, stone and composite materials.

Typical Chemical Analysis:
- Aluminum Oxide (Al2O3) 96.69%
- Titanium Dioxide (TiO2) 2.52%
- Silicon Dioxide (SiO2) 0.44%
- Iron Oxide (Fe2O3) 0.10%
- Others (MgO, CaO, Cr2O3) 0.25%

Physical Characteristics:
- Crystal Form: Alpha-Alumina
- True Density: 3.95 g/cm3
- Hardness: Knoop (100) 2050 kg/mm, Mohs 9.0
- Melting Point: 2000°C
- Color: Brown – Tan

ANSI Test Methods: (Certifications Available)
- Chemistry: B74.14 ANSI and FEPA
- Sizing: B74.12 Table 3 Agency and Mil-specs
- Bulk Density: B74.4 Pratt & Whitney*, Rolls Royce, Praxair, Stryker.

Packaging:
- 50 lb. bags
- 400 lb. fiber drums (12-120 grit)
- 390 lb. fiber drums (150 -240 grit)