

GRAYSTAR[★] LLC

Ceramic Minerals and Specialty Materials

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Technical Data Sheet

Product: Mulgrit™ Brown Fused Aluminum Oxide – Blasting Grain

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

Applications: Mulgrit™ is 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 (Al ₂ O ₃)	96.69%
Titanium Dioxide (TiO ₂)	2.52%
Silicon Dioxide (SiO ₂)	0.44%
Iron Oxide (Fe ₂ O ₃)	0.10%
Others (MgO, CaO, Cr ₂ O ₃)	0.25%

Physical Characteristics:

Crystal Form:	Alpha-Alumina
True Density:	3.95 g/cm ³
Hardness:	Knoop (100) 2050 kg/mm, Mohs 9.0
Melting Point:	2000°C
Color:	Brown – Tan

ANSI Test Methods:

Chemistry:	B74.14
Sizing:	B74.12 Table III
Bulk Density:	B74.4

Packaging & Shipping:

Warehousing in Bluffton, SC and Niagara Falls, NY
50 lb. paper bags
400 lb. fiber drums grade sizes 8 – 120
380 lb. fiber drums grade sizes 150 – 240
2000 lb. supersacks
Plastic pails, etc. for a surcharge (SC only)

Bulk Density (g/cm³):

Grit	BD	Grit	BD
8	2.03 - 2.13	60	1.74 - 1.88
10	1.97 - 2.12	70	1.72 - 1.86
12	1.94 - 2.09	80	1.71 - 1.85
14	1.92 - 2.07	90	1.67 - 1.81
16	1.90 - 2.05	100	1.64 - 1.78
20	1.87 - 2.03	120	1.63 - 1.77
24	1.85 - 1.99	150	1.62 - 1.76
30	1.81 - 1.95	180	1.60 - 1.74
36	1.79 - 1.93	220	1.58 - 1.72
46	1.77 - 1.91	240	1.56 - 1.70
54	1.76 - 1.90		

Certifications Available:

ANSI and FEPA
All Mil-specs
Pratt & Whitney*, Rolls Royce, Praxair, Stryker, etc.

*Mulgrit™ is listed in all Pratt & Whitney specifications under our ISO 9001 partner company C-E Minerals

Manufacturers and Distributors of Abrasive Materials