

GRAYSTAR LLC

A Manufacturer and Distributor of
Abrasive Materials and Specialty Products

Headquarters

9 Simmonsville Rd
PO Box 1670
Bluffton, SC 29910

Phone: 843-815-5600

Fax: 843-815-5601

www.graystarllc.com

Technical Data Sheet

Product: Mulgrit™ Brown Fused Aluminum Oxide – **Bonded Abrasive and General Industrial**

Description: Aluminum Oxide is manufactured in an electric arc furnace that produces an extremely tough, long-lasting grain which is graded to exacting standards. The various macrogrit sizes may be used for all types of bonded abrasive and general industrial applications.

Applications: Mulgrit™ is particularly useful for rough grinding, deburring, snagging and cutting of low-alloy, ferrous materials. Silane coating to improve wet strength in resin wheels is available. Iron Oxide (red coat) is available to increase bonding strength.

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

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		

ANSI Test Methods:

Chemistry:	B74.14
Sizing:	B74.12 Table 2
Bulk Density:	B74.4

Certifications Available:

ANSI
FEPA
Agency and Mil-specs

Packaging & Shipping:

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