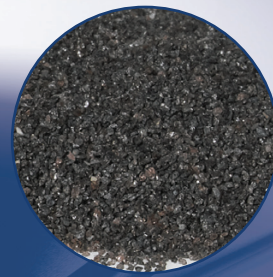


DURALUM® GW/VIT



General Inquiries
North & South America
 Tel: 1-800-828-1666
Europe
 Tel: +44(0)161-848-0271
 info@washingtomills.com
 www.washingtomills.com

Washington Mills
North Grafton, Inc.
 P.O. Box 428
 20 North Main Street
 North Grafton, MA 01536
 Tel: 508-839-6511
 Fax: 508-839-7675
 Email: info@washingtomills.com

Washington Mills
Electro Minerals Corp.
 P.O. Box 423
 1801 Buffalo Avenue
 Niagara Falls, NY 14302
 Tel: 716-278-6600
 Fax: 716-278-6650
 Email: info@washingtomills.com

Washington Mills
Electro Minerals Corp.
 P.O. Box 1002
 7780 Stanley Avenue
 Niagara Falls, Ontario L2E 6V9 Canada
 Email: info@washingtomills.com

Washington Mills
Tonawanda, Inc.
 1000 E. Niagara Street
 Tonawanda, NY 14150
 Email: info@washingtomills.com

Washington Mills
Electro Minerals Ltd.
 Mosley Road, Trafford Park
 Manchester M17 1NR England
 Email: info@washingtomills.com

Washington Mills Hennepin, Inc.
 13230 Prairie Industrial Parkway
 Hennepin, IL 61327
 Email: info@washingtomills.com

Washington Mills AS
 NO-7300
 Orkanger, Norway
 Email: wrmas@washingtomills.no

DESCRIPTION

DURALUM® GW/VIT is a specialty treated, medium titania, blocky shape, medium density, fused brown aluminum oxide abrasive for use in vitrified bonded abrasive products where a tough, strong, aluminum oxide is required.

APPLICATIONS

DURALUM® GW/VIT is manufactured specifically for use in both high temperature and low temperature vitrified grinding wheels. It is produced in a complete range of grit sizes.

TYPICAL CHEMICAL ANALYSIS

Al ₂ O ₃ (by difference)	96.12%
TiO ₂	2.70%
SiO ₂	0.67%
Fe ₂ O ₃	0.11%
Other Oxides	0.40%

GRAIN SIZES AVAILABLE

12, 14, 16, 20, 24, 30, 36, 46, 54, 60, 70, 80, 90, 100, 120, 150, 180, and 220

Specialty sizes available upon request

TYPICAL PHYSICAL PROPERTIES

Crystallography	Alpha alumina, in the hexagonal crystal system
Color	Brown
Specific Gravity	3.92
Knoop ₁₀₀ Hardness	2090
Shape	Blocky, with sharp edges
Grading (Grain)	ANSI B74.12-2001; Table 2 OR FEPA 42-1:2006
Grading (Powder)	ANSI B74.10-R2001 OR FEPA 42-2:2006
Magnetics	ANSI B74.19-2002 (R2007)
Bulk Density (Grain)	ANSI B74.4-1992 (R2007)

TYPICAL BULK DENSITY

Grit	g/cc	Grit	g/cc	Grit	g/cc	Grit	g/cc
6	2.12 – 2.22	20	1.94 – 2.04	60	1.79 – 1.89	150	1.69 – 1.79
8	2.09 – 2.19	24	1.91 – 2.01	70	1.76 – 1.86	180	1.68 – 1.78
10	2.08 – 2.18	30	1.88 – 1.98	80	1.72 – 1.82	220	1.63 – 1.73
12	2.04 – 2.14	36	1.82 – 1.92	90	1.72 – 1.82		
14	2.01 – 2.11	46	1.80 – 1.90	100	1.72 – 1.82		
16	1.98 – 2.08	54	1.79 – 1.89	120	1.70 – 1.80		

This product information is NOT a specification. It is offered in good faith only as a general description of the product. **Washington Mills makes no warranty of merchantability or of fitness for any particular purpose.** The product chemistry and other characteristics may vary or contain trace elements not specifically listed. If your intended application for this product is so critical that relatively minor variations in chemistry or physical properties could cause problems or damage to your process or product, please contact our office for further assistance.