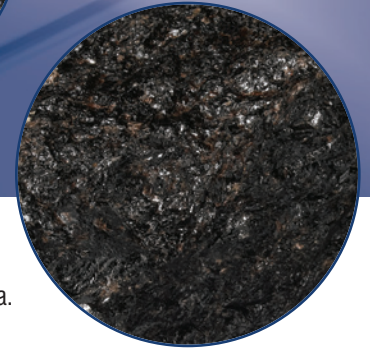
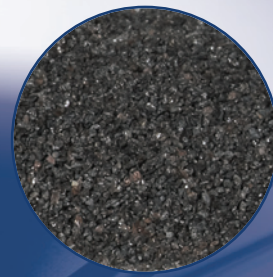
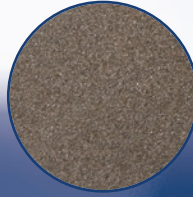


DURALUM®



General Inquiries
Tel: 1-800-828-1666
info@washingtomills.com
www.washingtomills.com

Washington Mills North Grafton, Inc.
PO 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.
PO 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.
PO 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 ESK Street
Hennepin, IL 61327
Email: info@washingtomills.com

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

DESCRIPTION

DURALUM® is a tough virgin fused brown aluminum oxide abrasive containing no free silica.

APPLICATIONS

DURALUM® is a general purpose blasting and polishing grain that is widely used for flat lapping, polishing, and other finishing operations on materials such as glass, ceramics, granite, silicon, and metal. DURALUM® is more closely sized than other blasting grains to ensure consistent duplication of surface finishes.

TYPICAL CHEMICAL ANALYSIS

| | |
|--|--------|
| Al ₂ O ₃ (by difference) | 96.05% |
| TiO ₂ | 2.70% |
| SiO ₂ | 0.70% |
| Fe ₂ O ₃ | 0.10% |
| CaO | 0.15% |
| MgO | 0.30% |

GRAIN SIZES AVAILABLE

6, 8, 10, 12, 14, 16, 20, 24, 30, 36, 46, 54, 60, 70, 80, 90, 100, 120, 150, 180, 220, and 240

POWDER SIZES AVAILABLE

240, 280, 320, 360, 400, 500, 600, 800, 1000, 1200, F, FF, and FFF

TYPICAL PHYSICAL PROPERTIES

| | |
|-------------------------------|---|
| Crystallography | Alpha alumina, in a hexagonal crystal |
| Color | Brown |
| Specific Gravity | 3.92 |
| Knoop ₁₀₀ Hardness | 2050 |
| Shape | Blocky with sharp edges |
| Grading (Grain) | ANSI B74.12-2001, Table 2 OR FEPA 42-1:2006 |
| Grading (Powder) | ANSI B74.10-2001 OR FEPA 42-2:2006 |
| Bulk Density (Grain) | ANSI B74.4-1992 (R2007) |

TYPICAL BULK DENSITY

| Grit | g/cc | Grit | g/cc | Grit | g/cc | Grit | g/cc |
|------|------|------|------|------|------|------|------|
| 6 | 2.17 | 20 | 1.99 | 60 | 1.82 | 150 | 1.67 |
| 8 | 2.14 | 24 | 1.96 | 70 | 1.79 | 180 | 1.63 |
| 10 | 2.13 | 30 | 1.93 | 80 | 1.74 | 220 | 1.61 |
| 12 | 2.09 | 36 | 1.87 | 90 | 1.71 | | |
| 14 | 2.06 | 46 | 1.85 | 100 | 1.71 | | |
| 16 | 2.03 | 54 | 1.84 | 120 | 1.70 | | |

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.

updated 9-08

WASHINGTON MILLS

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