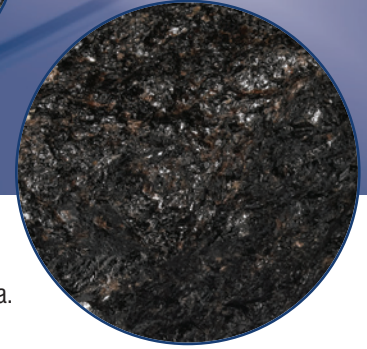
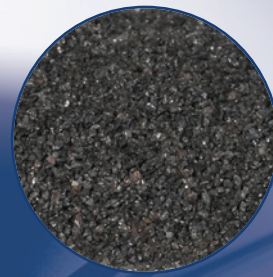
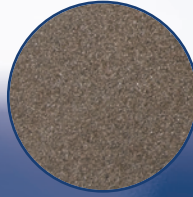


DURALUM®



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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.