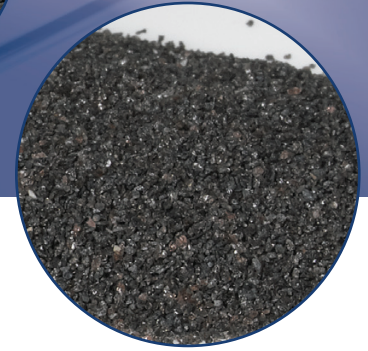
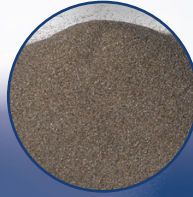


DURALUM® LBD



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DESCRIPTION

DURALUM® LBD is a medium titania, elongated shaped, low density, fused brown aluminum oxide abrasive for use in bonded abrasive products where a tough, strong, aluminum oxide is required, but with cooler grinding characteristics.

APPLICATIONS

DURALUM® LBD is an angular grain with very sharp edges for use in precision vitrified or organic grinding wheels where more friability is desired to achieve a faster cooler cut.

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

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

TYPICAL PHYSICAL PROPERTIES

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

TYPICAL BULK DENSITY

Grit	g/cc	Grit	g/cc	Grit	g/cc	Grit	g/cc
8	1.95 – 2.05	20	1.80 – 1.90	54	1.66 – 1.78	100	1.59 – 1.69
10	1.91 – 2.01	24	1.74 – 1.84	60	1.66 – 1.78	120	1.58 – 1.68
12	1.88 – 1.98	30	1.75 – 1.87	70	1.63 – 1.73	150	1.57 – 1.67
14	1.88 – 1.98	36	1.74 – 1.82	80	1.62 – 1.72	180	1.56 – 1.66
16	1.85 – 1.95	46	1.70 – 1.80	90	1.60 – 1.70	220	1.56 – 1.66

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.