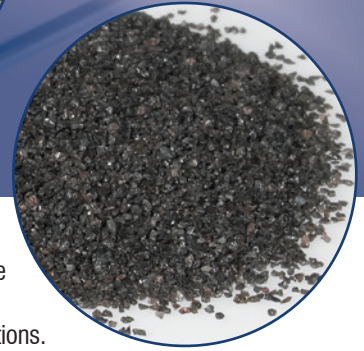
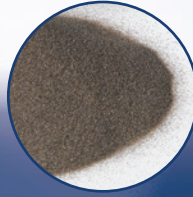


DURALUM® SILKOTE (SK)



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DESCRIPTION

DURALUM® SILKOTE is a tough, cast fused aluminum oxide abrasive. A clear, uniform silane coating is added to the grain. DURALUM® SILKOTE produces a stronger, longer lasting resin bonded wheel. DURALUM® SILKOTE grain can be used in both wet and dry grinding applications.

APPLICATIONS

Key areas of grinding where DURALUM® SILKOTE abrasive grain shows the greatest wheel improvements are: cutting-off operations, disc grinding (or any wet grinding applications), roll grinding, depressed center wheels, and hot pressed snagging wheels.

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

10, 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
Knoop ₁₀₀ Hardness	2090
Shape	Blocky, with sharp edges
Bulk Density	ANSI B74.4-1992 (R2007)
Grading	modified ANSI

TYPICAL BULK DENSITY

Grit	g/cc	Grit	g/cc	Grit	g/cc	Grit	g/cc
6	2.12 – 2.22	20	1.92 – 2.02	60	1.77 – 1.87	150	1.62 – 1.72
8	2.09 – 2.19	24	1.86 – 1.96	70	1.74 – 1.84	180	1.60 – 1.70
10	2.08 – 2.18	30	1.84 – 1.94	80	1.69 – 1.79	220	1.58 – 1.68
12	2.04 – 2.14	36	1.82 – 1.92	90	1.67 – 1.77		
14	2.01 – 2.11	46	1.80 – 1.90	100	1.67 – 1.77		
16	1.96 – 2.06	54	1.79 – 1.89	120	1.65 – 1.75		

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.