

DURALUM® SPECIAL WHITE



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DESCRIPTION

DURALUM® SPECIAL WHITE is a virgin fused white aluminum oxide. It is a friable, high purity, medium density, abrasive.

APPLICATIONS

DURALUM® SPECIAL WHITE is a white aluminum oxide designed for general industrial use in operations such as lapping, polishing, refractory coating for investment cast shells, decorative non-skid tile, and pressure blasting. It is used where a high purity and/or highly friable abrasive is desired.

TYPICAL CHEMICAL ANALYSIS

Al ₂ O ₃ (by difference)	99.77%
SiO ₂	0.02%
Fe ₂ O ₃	0.01%
Na ₂ O	0.20%

GRAIN SIZES AVAILABLE

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	White
Specific Gravity	3.96
Knoop ₁₀₀ Hardness	2000
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
8	1.73	20	1.76	54	1.75	100	1.64
10	1.74	24	1.76	60	1.72	120	1.62
12	1.75	30	1.77	70	1.70	150	1.60
14	1.75	36	1.77	80	1.68	180	1.57
16	1.75	46	1.78	90	1.66	220	1.54

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.