

# DURALUM® SPECIAL WHITE

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**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 a highly friable abrasive is desired.

## TYPICAL CHEMICAL ANALYSIS

<b>Al<sub>2</sub>O<sub>3</sub></b> (by difference)	99.76%
<b>SiO<sub>2</sub></b>	0.02%
<b>Fe<sub>2</sub>O<sub>3</sub></b>	0.02%
<b>Na<sub>2</sub>O</b>	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

## POWDER SIZES AVAILABLE

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

*Specialty sizes available upon request.*

## TYPICAL PHYSICAL PROPERTIES

<b>Crystallography</b>	Alpha alumina in the hexagonal crystal system
<b>Color</b>	White
<b>Specific Gravity</b>	3.96
<b>Knoop<sub>100</sub> Hardness</b>	2150
<b>Shape</b>	Blocky, with sharp edges
<b>Average Crystal Size</b>	2,500 microns, no matrix
<b>Porosity, Total Volume</b>	5.5%
<b>Grading (Grain)</b>	ANSI B74.12-2018 Table 2 OR FEPA 42-1:2006
<b>Grading (Powder)</b>	ANSI B74.10-2015 OR FEPA 42-2:2006
<b>Bulk Density</b>	ANSI B74.4-1992 (R2019)

## 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.