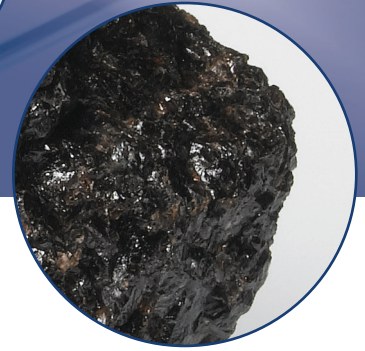
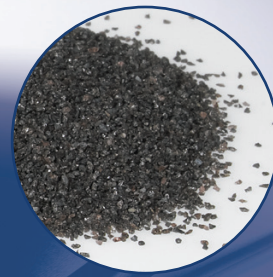
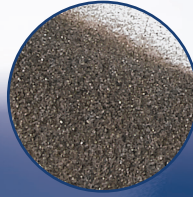


# DURALUM® G82 (ANSI GRADED) DURALUM® G82 P (FEPA "P" GRADED)



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## DESCRIPTION

DURALUM® G82 and DURALUM® G82 P are angular, sharp-edged, medium density fused brown aluminum oxides. DURALUM® G82 P and DURALUM® G82 P exhibit high capillarity for instant adhesion to resin or glue bonds in gravity fed coating applications.

## APPLICATIONS

DURALUM® G82 P and DURALUM® G82 P are used in the manufacture of all types of brown aluminum oxide coated abrasive products - cloth, fiber, and paper. They are used on mild steel, alloy steel, and some woodworking applications.

## TYPICAL CHEMICAL ANALYSIS

Al <sub>2</sub> O <sub>3</sub> (by difference)	96.12%
TiO <sub>2</sub>	2.70%
SiO <sub>2</sub>	0.67%
Fe <sub>2</sub> O <sub>3</sub>	0.11%
Other Oxides	0.40%

## GRAIN SIZES AVAILABLE

16, 20, 24, 30, 36, 40, 50, 60, 80, 90, 100, 120, 150, 180, and 220

## POWDER SIZES AVAILABLE

240, 280, 320, 400, 500, and 600

## TYPICAL PHYSICAL PROPERTIES

Crystallography	Alpha alumina, in the hexagonal crystal system
Color	Brown
Specific Gravity	3.92
Knoop <sub>100</sub> Hardness	2090
Shape	Angular, with sharp edges
Grading (Grain)	ANSI B74.18-2006 OR FEPA 42-1:2006
Bulk Density (Grain)	ANSI B74.4-1992 (R2007)

## TYPICAL BULK DENSITY

Grit	g/cc	Grit	g/cc	Grit	g/cc	Grit	g/cc
16	1.92 – 2.02	36	1.82 – 1.92	80	1.71 – 1.81	180	1.57 – 1.67
20	1.90 – 2.00	40	1.79 – 1.89	100	1.65 – 1.75	220	1.55 – 1.65
24	1.87 – 1.97	50	1.80 – 1.90	120	1.63 – 1.73		
30	1.82 – 1.92	60	1.76 – 1.86	150	1.60 – 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.