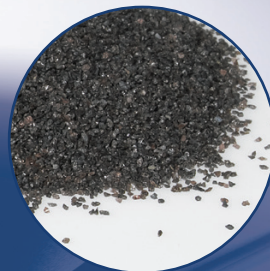
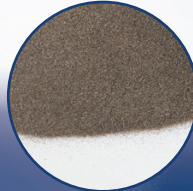


DURALUM® HC



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DESCRIPTION

DURALUM® HC is a virgin fused brown aluminum oxide specially calcined to eliminate adhering dust and to improve capillarity.

APPLICATIONS

DURALUM® HC is used primarily as a media in fluid bed furnaces. It can also be used as an abrasive or refractory grain where the elimination of adhering dust and a very clean grain surface is desirable.

TYPICAL CHEMICAL ANALYSIS

Al ₂ O ₃ (by difference)	96.05%
TiO ₂	2.70%
SiO ₂	0.70%
Fe ₂ O ₃	0.10%
CaO	0.15%
MgO	0.30%

GRAIN SIZES AVAILABLE

6, 8, 10, 12, 16, 20, 24, 30, 36,
46, 54, 60, 70, 80, 90, 100, 120,
150, 180, and 220

TYPICAL PHYSICAL PROPERTIES

Crystallography	Alpha alumina, in a hexagonal crystal
Color	Brown
Specific Gravity	3.92
Knoop ₁₀₀ Hardness	2050
Shape	Blocky with sharp edges
Specific Heat	0.174 cal / g · °C at 0°C 0.198 cal / g · °C at 50°C 0.210 cal / g · °C at 100°C
Grading	ANSI B74.12-2001, Table 2
Bulk Density	ANSI B74.4-1992 (R2007)

TYPICAL BULK DENSITY

Grit	g/cc	Grit	g/cc	Grit	g/cc	Grit	g/cc
6	2.12 – 2.22	20	1.94 – 2.04	60	1.77 – 1.87	150	1.62 – 1.72
8	2.09 – 2.19	24	1.91 – 2.01	70	1.74 – 1.84	180	1.58 – 1.68
10	2.08 – 2.18	30	1.88 – 1.98	80	1.69 – 1.79	220	1.56 – 1.66
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	1.98 – 2.08	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.