

DURALUM® RF GRAIN



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DESCRIPTION

DURALUM® RF is a brown, fused aluminum oxide refractory grain produced from selected grades of bauxite. The chemical composition and crystalline size are carefully controlled to ensure maximum product uniformity.

APPLICATIONS

DURALUM® RF is used as a raw material in dense, high temperature refractory products such as ramming and gunning mixes, castables, and in the form of loose grain.

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%

TYPICAL PHYSICAL PROPERTIES

Crystallography	Alpha alumina, in the hexagonal crystal system
Crystal Size	60% monocrystalline at 650 microns
Color	Brown
Specific Gravity	3.92
Particle Shape	Blocky
Melting Temperature	2015° C
Softening Point	1840° C

REACTIVITY

DURALUM® RF is resistant to strong mineral acids except for HF (it is slightly attacked). It is slightly attacked by strong alkali solutions.

SPLIT SIZES AVAILABLE

□ x 3/8, 3/8 x 4, 2□ x 4, 3/6, 3/10, 6/10, 8/16, 10/30, 14/60, 16/36, 30/100, 40/70, 4/F, 46/F, 60/F, 100/F, 240/F

Other Sizes Available Upon Request

SINGLE GRIT SIZES AVAILABLE

Macro: 6, 8, 10, 12, 14, 16, 20, 24, 30, 36, 46, 54, 60, 70, 80, 90, 100, 120, 150, 180, and 220

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

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.

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