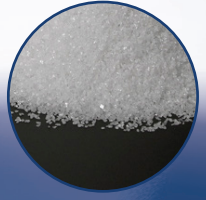

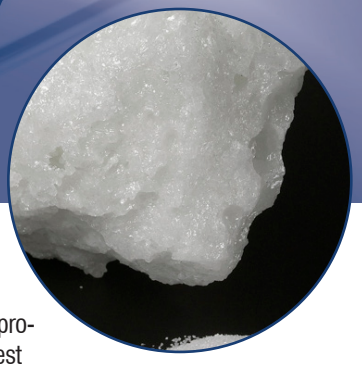

DURALUM WHITE RF
DURALUM WHITE RF / HD

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DESCRIPTION

DURALUM® WHITE RF is a white, fused alumina refractory grain made from high purity Bayer process alumina. Raw materials and furnacing practices are carefully controlled to ensure the highest purity and optimum crystal structure. DURALUM® WHITE RF / HD is crushed in such a manner to produce blocky grain distributions with a higher bulk density.

APPLICATIONS

DURALUM® WHITE RF and RF / HD are used as raw materials in dense refractory products requiring high purity at elevated temperatures. These materials are also used in bonded products, as well as in the form of loose grain.

TYPICAL CHEMICAL ANALYSIS

Al_2O_3 (by difference)	99.76%
SiO_2	0.02%
Fe_2O_3	0.02%
Na_2O	0.20%

TYPICAL PHYSICAL PROPERTIES

Crystal Phase	Alpha Alumina in the hexagonal crystal system
Average Crystal Size	2,500 microns, no matrix
Specific Gravity	3.96
Melting Point	2040° C
Reactivity	very slightly attacked by acids and alkali solutions

TYPICAL THERMAL PROPERTIES

Thermal Conductivity *(cal / sec · cm · °C)*	0.054 at 200°C; 0.022 at 600°C 0.015 at 1000°C; 0.013 at 1400°C
Coefficient of Linear Expansion	7.58×10^{-6} per °C: 25 - 500°C 8.52×10^{-6} per °C: 25 - 1000°C 9.29×10^{-6} per °C: 25 - 1500°C
Specific Heat *(cal / g · °C)*	0.183 at 20°C 0.217 at 100°C

SPLIT SIZES AVAILABLE

4/8, 8/14, 14/28, 10/F, 28/F, 46/F, and 60/F.
Other sizes available upon request.

SINGLE GRIT SIZES AVAILABLE

Macro Grits: 12, 14, 16, 20, 24, 30, 36, 46, 54, 60, 70, 80, 90, 100, 120, 150, 180, 220, and 240
Micro Grits: 240, 280, 320, 400, 500, 600, 800, 1000, 1200, F, FF, and FFF

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