DESCRIPTION: High Duty, dry press firebrick
SIZES: Various

TYPICAL TEST DATA

CHEMICAL ANALYSIS [Wt. % Calcined Basis]
Silica [SiO₂] .......................................................... 56.3
Aluminum Oxide [Al₂O₃] ........................................... 37.6
Titanium Dioxide [TiO₂] ......................................... 2.0
Iron Oxide [Fe₂O₃] ................................................ 1.7
Potassium Oxide [K₂O] .......................................... 1.3
Other Oxides .......................................................... 0.4
Magnesium Oxide [MgO] ....................................... 0.4
Calcium Oxide [CaO] ........................................... 0.3
Total ....................................................................... 100.0

Loss on Ignition, 1000°C ........................................... 0.1

PHYSICAL PROPERTIES

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ASTM C-24
P.C.E. ........................................................................ 32-32½
Service Temperature [max. recommended], °F .................. 2850
Temperature Equivalent [melting], °F ......................... 3123

ASTM C-133
Modulus of Rupture [MOR], psi ................................. 1100
Cold Crush ................................................................ 3500

ASTM C-20
Apparent Porosity, % ............................................. 19.0
Apparent Specific Gravity, g/cc .................................. 2.7
Bulk Density [fired] lb./ft³ ......................................... 133.7
Water Absorption, % ............................................. 8.8

ASTM C-16 Schedule 3 [% deformation]
Load Test at 2640°F ................................................. 1.3

ASTM C-113 Schedule B [% linear]
Reheat Change at 2550°F ......................................... -0.1

ASTM C-38 2910°F preheat
Panel Spalling Loss, % wt. ........................................ 2.0

SDS AVAILABLE UPON REQUEST

The above properties represent average results of typical data produced from standard ASTM test methods on a 9” straight. Specifications should not be considered guaranteed. Alsey Refractories Company makes every effort to ensure consistency in our products; however, properties may vary due to standard statistical manufacturing deviations. Alsey Refractories Company reserves the right to modify this data at any time without prior notice.