



**ALSEY**  
refractories co.

# PRODUCT DATA

**EXETER 90**

90% Alumina dry press firebrick of various sizes

## TYPICAL TEST DATA

### CHEMICAL ANALYSIS [Wt. % Calcined Basis]

Silica [SiO <sub>2</sub> ].	6.0
Aluminum Oxide [Al <sub>2</sub> O <sub>3</sub> ].	90.3
Titanium Dioxide [TiO <sub>2</sub> ].	1.6
Iron Oxide [Fe <sub>2</sub> O <sub>3</sub> ].	0.7
Phosphorus Pentoxide [P <sub>2</sub> O <sub>5</sub> ].	1.6
Other Oxides.	0.1
Calcium Oxide [CaO].	0.1
Alkali [Na <sub>2</sub> O/K <sub>2</sub> O].	0.2
Total	100.0
Loss on Ignition, 1000°C.	0.0

### PHYSICAL PROPERTIES

#### ASTM C-24

P.C.E.	>40
Service Temperature [max. recommended], °F	3300

#### ASTM C-133

Modulus of Rupture [MOR], psi	3031
Cold Crush	16578

#### ASTM C-20

Apparent Porosity, %	17.9
Apparent Specific Gravity, g/cc	3.6
Bulk Density [fired] lb./ft <sup>3</sup>	184.8

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.



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