



**ALSEY**  
refractories co.

# PRODUCT DATA

**EXETER 70P**

70% Alumina, dry press firebrick of various sizes

## TYPICAL TEST DATA

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

Silica [SiO <sub>2</sub> ].	21.1
Aluminum Oxide [Al <sub>2</sub> O <sub>3</sub> ].	71.0
Titanium Dioxide [TiO <sub>2</sub> ].	2.2
Iron Oxide [Fe <sub>2</sub> O <sub>3</sub> ].	1.0
Phosphorus Pentoxide [P <sub>2</sub> O <sub>5</sub> ].	3.3
Other Oxides.	1.1
Alkali [Na <sub>2</sub> O/K <sub>2</sub> O].	0.1
Calcium Oxide [CaO].	0.1
Total	100.0
Loss on Ignition, 1000°C.	0.0

### PHYSICAL PROPERTIES

#### ASTM C-24

P.C.E.	>36
Service Temperature [max. recommended], °F	3200

#### ASTM C-133

Modulus of Rupture [MOR], psi	3580
Cold Crush	>10,000

#### ASTM C-20

Apparent Porosity, %	16.8
Apparent Specific Gravity, g/cc	3.2
Bulk Density [fired] lb./ft <sup>3</sup>	170.9

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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