



**ALSEY**  
refractories co.

# PRODUCT DATA

**EXETER 45P**

45% Alumina, dry press firebrick of various sizes

## TYPICAL TEST DATA

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

Silica [SiO <sub>2</sub> ]	47.9
Aluminum Oxide [Al <sub>2</sub> O <sub>3</sub> ]	45.5
Titanium Dioxide [TiO <sub>2</sub> ]	2.4
Iron Oxide [Fe <sub>2</sub> O <sub>3</sub> ]	1.4
Phosphorus Pentoxide [P <sub>2</sub> O <sub>5</sub> ]	2.3
Other Oxides	0.2
Alkali [Na <sub>2</sub> O/K <sub>2</sub> O]	0.2
Calcium Oxide [CaO]	0.1
Total	100.0
Loss on Ignition, 1000°C	0.0

### PHYSICAL PROPERTIES

#### ASTM C-24

P.C.E.	>33
Service Temperature [max. recommended], °F	2900

#### ASTM C-133

Modulus of Rupture [MOR], psi	1768
Cold Crush	5663

#### ASTM C-20

Apparent Porosity, %	18.4
Apparent Specific Gravity, g/cc	2.9
Bulk Density [fired] lb./ft <sup>3</sup>	146

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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