



# Technical Data

## ALUMEX® 60-HS HIGH ALUMINA BRICK

**PHYSICAL  
PROPERTIES  
(ASTM  
procedures  
used where  
applicable)**

Bulk Density: (lb/ft <sup>3</sup> )	159
Modulus of Rupture: (lb/in <sup>2</sup> )	1,600
Cold Crushing Strength: (lb/in <sup>2</sup> )	8,000
Apparent Porosity, %:	15.0
Hot Load Deformation, %: 2640°F (1450°C) & 25 psi	0.5 - 1.5
Permanent Linear Change, %: 2910°F (1600°C) & 5 Hours	+3.0

**CHEMICAL  
ANALYSIS  
(Ignited)**

Al <sub>2</sub> O <sub>3</sub> .....	61.5
SiO <sub>2</sub> .....	31.6
Fe <sub>2</sub> O <sub>3</sub> .....	1.5
TiO <sub>2</sub> .....	2.9
CaO .....	0.3
MgO .....	0.2
P <sub>2</sub> O <sub>5</sub> .....	1.4
Alkalies .....	0.6

The properties shown on this data sheet represent typical average results generated using standard ASTM test methods (unless otherwise noted) conducted under controlled condition (using standard rectangular shapes), and should not be considered to be guaranteed specifications. Properties are subject to normal manufacturing statistical standard deviation ranges, and Resco Products, Inc. reserves the right to modify the properties and specifications at any time without prior notice.

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