



Technical Data

ALUMEX[®] 70-HS HIGH ALUMINA BRICK

PHYSICAL PROPERTIES (ASTM procedures used where applicable)	<table> <tr> <td>Bulk Density: (lb/ft³)</td> <td>164</td> </tr> <tr> <td>Modulus of Rupture: (lb/in²)</td> <td>1,500</td> </tr> <tr> <td>Cold Crushing Strength: (lb/in²)</td> <td>8,880</td> </tr> <tr> <td>Apparent Porosity, %:</td> <td>18.0</td> </tr> <tr> <td>Hot Load Deformation, %: 2640°F (1450°C) & 25 psi</td> <td>0.0 - 0.5</td> </tr> <tr> <td>Permanent Linear Change, %: 2910°F (1600°C) & 5 Hours</td> <td>+2.7</td> </tr> </table>	Bulk Density: (lb/ft ³)	164	Modulus of Rupture: (lb/in ²)	1,500	Cold Crushing Strength: (lb/in ²)	8,880	Apparent Porosity, %:	18.0	Hot Load Deformation, %: 2640°F (1450°C) & 25 psi	0.0 - 0.5	Permanent Linear Change, %: 2910°F (1600°C) & 5 Hours	+2.7				
Bulk Density: (lb/ft ³)	164																
Modulus of Rupture: (lb/in ²)	1,500																
Cold Crushing Strength: (lb/in ²)	8,880																
Apparent Porosity, %:	18.0																
Hot Load Deformation, %: 2640°F (1450°C) & 25 psi	0.0 - 0.5																
Permanent Linear Change, %: 2910°F (1600°C) & 5 Hours	+2.7																
CHEMICAL ANALYSIS (Ignited)	<table> <tr> <td>Al₂O₃</td> <td>71.1</td> </tr> <tr> <td>SiO₂</td> <td>21.6</td> </tr> <tr> <td>Fe₂O₃</td> <td>1.9</td> </tr> <tr> <td>TiO₂</td> <td>3.1</td> </tr> <tr> <td>CaO</td> <td>0.3</td> </tr> <tr> <td>MgO</td> <td>0.2</td> </tr> <tr> <td>P₂O₅</td> <td>1.3</td> </tr> <tr> <td>Alkalies</td> <td>0.5</td> </tr> </table>	Al ₂ O ₃	71.1	SiO ₂	21.6	Fe ₂ O ₃	1.9	TiO ₂	3.1	CaO	0.3	MgO	0.2	P ₂ O ₅	1.3	Alkalies	0.5
Al ₂ O ₃	71.1																
SiO ₂	21.6																
Fe ₂ O ₃	1.9																
TiO ₂	3.1																
CaO	0.3																
MgO	0.2																
P ₂ O ₅	1.3																
Alkalies	0.5																

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.

RESKO PRODUCTS disclaims any express or implied warranties based on this sheet.

02/05/08 is the date that this data sheet was updated. Check with your RESKO sales

|representative or RESCO website to determine you have the current sheet