



Brick

Product Data

R-80B HIGH ALUMINA BRICK

<u>Pyrometric Cone Equivalent:</u>	Cone 39
<u>Bulk Density:</u>	176 lb/ft ³ (2.82 g/cm ³)
<u>Cold Crushing Strength:</u>	12,000 psi (82 MPa)
<u>Modulus of Rupture:</u>	2500 psi (17 MPa)
<u>Reheat Test:</u> After 5 hours at 2910°F (1600°C)	+1.0% Permanent Linear Change
<u>Apparent Porosity(%):</u>	16.3

Chemical Analysis(%): (calculated)

Al ₂ O ₃	SiO ₂	Fe ₂ O ₃	TiO ₂	P ₂ O ₅	CaO	MgO	Alkalies
78.6	15.5	1.2	2.4	1.8	0.1	0.1	0.3

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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