



Product Data

7/08: 2797

Description: High Alumina Brick

Chemical Analysis: Approximate (Calcined Basis)

Silica (SiO ₂)	36.1%
Alumina (Al ₂ O ₃)	62.3%
Iron Oxide (Fe ₂ O ₃)	0.8%
Titania (TiO ₂)	0.2%
Lime (CaO)	0.1%
Magnesia (MgO)	0.1%
Alkalies (Na ₂ O + K ₂ O)	0.4%

Physical Data (Typical)

Bulk Density	160 lb/ft ³ (2.56 g/cm ³)
Modulus of Rupture	2,150 lb/in. ² (14.8 MPa)
Permanent Linear Change	
After 2910°F (1600°C)	-0.2%
Apparent Porosity	14.1%
Creep Test, DIN Furnace 28.4 psi (2.0 kg/cm ²)	
Subsidence in Period between 20-50 hours hold	
At 2732°F (1500°C)	0.37%

Note: The test data shown are based on average results on production samples and are subject to normal variation on individual tests. The test data cannot be taken as minimum or maximum values for specification purposes. ASTM test procedures used when applicable.