



Sunrock Ceramics Company
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Technical Data Sheet

B-99 Insulating Brick

Sunrock B-99 is a premium, high purity alumina insulating material for chemically reactive high-temperature thermal processing applications such as the lining and insulation of reducing atmosphere furnaces.

Bulk Density (g/cc)	1.6
Porosity (%)	55
Maximum Operating Temperature (°C)	1850
Thermal Expansion ($\times 10^{-6} / ^\circ\text{C}$)	8.7

Typical Chemical Analysis (%)	
Al₂O₃	99.7
SiO₂	trace
Fe₂O₃	trace
Alkalis	trace

Typical Physical Properties		
Thermal Conductivity (W/mK)	@1200°C	1.4
Modulus of Rupture (MPa)	@1250°C	0.3
Modulus of Elasticity (GPa)	@25°C	22

The data presented represents typical average results obtained by testing under ASTM or other acceptable procedures as required. They are subject to normal variation and should not be used for specification purposes.