

# IFB 3000 LI



## Product Data

4/07: 001A

Description: 3000°F Insulating Firebrick

Applications: IFB 3000 LI is suited for backup linings behind dense brick, combustion chambers, ceramic kilns, sulphur recovery unit backup linings, iron channel induction furnace backup linings, and forge furnace linings.

### Chemical Analysis: Approximate (Calcined Basis)

Silica (SiO <sub>2</sub> )	24.9%
Alumina (Al <sub>2</sub> O <sub>3</sub> )	73.1%
Iron Oxide (Fe <sub>2</sub> O <sub>3</sub> )	0.5%
Titania (TiO <sub>2</sub> )	0.4%
Lime (CaO)	0.2%
Magnesia (MgO)	0.2%
Soda (Na <sub>2</sub> O)	0.1%
Potash (K <sub>2</sub> O)	0.6%

### Physical Data (Typical)

Maximum Service Temperature	3000°F (1649°C)
Bulk Density	65 lb/ft <sup>3</sup> (1.04 g/cm <sup>3</sup> )
Modulus of Rupture	250 lb/in. <sup>2</sup> (1.7 MPa)
Cold Crushing Strength	440 lb/in. <sup>2</sup> (3.0 MPa)
Thermal Conductivity	Btu·in/hr·ft <sup>2</sup> ·°F (W/m·°C)
At 500°F (260°C)	2.80 (0.40)
At 1000°F (538°C)	2.85 (0.41)
At 1500°F (816°C)	2.95 (0.43)
At 2000°F (1093°C)	3.09 (0.45)

Note: This product is manufactured for ANH Refractories Company by a third party. The results reported herein have been supplied by the third party manufacture. The above data are reported as typical properties and should not be taken as establishing maximum or minimum specifications. The above data is not intended as a warranty of any kind.