

CCEWOOL® LI series Insulating Fire Brick

Description:

Low iron bricks are produced by secondary extrusion processing technology. Low iron bricks have characteristics of low iron content, high resistance to carburization, small linear change on reheating, good chemical stability, excellent corrosion resistance, uniform internal structure and low thermal conductivity.

Characteristics:

Low iron content
High resistance to carburization
Small linear change on reheating
Good chemical stability
Excellent corrosion resistance
Uniform internal structure
Low thermal conductivity

Application:

All kinds of heat treatment, carburizing furnace, nitriding furnace, and other industrial furnace wall and lining insulation material. Low iron bricks can be used as lining and ceiling materials for various kinds of ceramic kilns, controlled atmosphere furnace materials, and other industrial furnace insulation materials.

Technical data and Size:

CCEWOOL® LI Series insulating brick						
Name and trademark	Low iron Insulating Fire brick					
	LI45	LI48	LI48a	LI50	LI50a	LI52
Al ₂ O ₃ (%)e	45	48	48	50	50	52
Fe ₂ O ₃ (%)d	0.7	0.7	0.6	0.6	0.5	0.5
Density (g/cm ³)	0.6	0.8	1.0	2.0	0.6	0.8
Compressive strength (MPa)	2.0	3.0	4.2	25	2.0	3.5
Linear change Cx12h (%)d	1300	1300	1300	1300	1350	1350
	0.5	0.4	0.4	0.2	0.5	0.5
Thermal conductivity W/(m.k) 350±25°C	0.25	0.35	0.45	1.6	0.25	0.35
Operation temperature (°C)	1300	1300	1350	1350	1350	1350

