

Product Data Sheet

Fireclay Bricks

Description	
Description	Fireclay Bricks are general-purpose refractories made from fire clay containing alumina and silica. They are economical, widely available, and suitable for a broad range of low to medium temperature applications where extreme refractoriness is not required.
Applications	Used in general furnaces, boilers, chimneys, fireplaces, ovens, and low to medium temperature industrial heating equipment.
Used In	General furnaces, boilers, low–medium temperature

Key Benefits	
- Cost-effective and widely used across industries - Good thermal shock resistance for cyclic heating - Reliable performance in low to medium temperature service - Easy to cut, shape, and install - Readily available in standard shapes and sizes	

Chemical Analysis & Physical Data		
Chemical Composition (Weight %)		
Parameter	Unit	Specification
Al ₂ O ₃	wt%	30% – 45%
SiO ₂	wt%	50% – 65%
Fe ₂ O ₃	wt%	Balance
Physical Properties		
Property	Specification	
Bulk Density	2.0 – 2.3 g/cm ³	
Cold Crushing Strength (CCS)	20 – 50 MPa	
Apparent Porosity	20 – 30%	

Refractoriness

1400 – 1600°C

* Test methods are available upon request.

Packaging

- Loose on wooden pallets, shrink-wrapped
- Strapped pallets for container loading
- Custom packaging available on request.

Storage & Handling

- Store in a dry, covered area protected from moisture
- Stack on level ground; avoid impact and edge chipping
- Keep pallets intact until point of use
- Handle with appropriate PPE to prevent injury

Disclaimer: The information provided in this document is based on our current knowledge and is intended as a general guide. Ochnology Solution Pvt. Ltd. reserves the right to modify specifications without prior notice. Buyers are advised to conduct their own testing for specific applications.