



CERAMATERIALS



Insulating Fire Brick

Grade	Unit	23	26	28	30
Classification Temperature ASTM C 155	°F (°C)	2300 (1260)	2600 (1427)	2800 (1538)	3000 (1649)
Density ASTM C 134	lb/ft ³ (kg/m ³)	36 (577)	50 (801)	55 (881)	64 (1025)
Modulus of Rupture ASTM C 133	lb/in ² (MPa)	124 (0.85)	200 (1.38)	450 (3.10)	220 (1.52)
Cold Crushing Strength ASTM C 133	lb/in ² (MPa)	260 (1.8)	320 (2.2)	360 (2.5)	363 (2.5)
Permanent Linear Change ASTM C 210	%				
After Heating 24 Hours °F (°C) @2246 (1230) @2550 (1399) @2750 (1510) @2950 (1620)		0.0	-0.4	-0.09	-1.3
Thermal Conductivity ASTM C 182 °F (°C) 752 (400) 1112 (600) 1472 (800) 1832 (1000)	Btu-in/ft ² , hr, °F W/mk	1.25 (0.18) 1.39 (0.20) 1.60 (0.23) 1.81 (0.26)	1.88 (0.27) 2.09 (0.30) 2.30 (0.33) 2.51 (0.36)	1.81 (0.26) 2.02 (0.29) 2.16 (0.31) 2.37 (0.34)	2.72 (0.39) 2.93 (0.42) 2.30 (0.43) 3.07 (0.44)

	23	26	28	30
SiO	39.7%	39.1%	31.3%	24.8%
Al ₂ O ₃	56.3%	57.2%	65.8%	73.0%
TiO ₂	1.5%	1.1%	0.8%	0.4%
Fe ₂ O ₃	0.7%	0.7%	0.7%	0.7%
CaO	0.4%	0.5%	0.2%	0.2%
MgO	0.4%	0.4%	0.2%	0.2%
Na ₂ O	0.1%	0.2%	0.3%	0.1%
K ₂ O	0.9%	0.8%	0.5%	0.6%



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	IFB Straights	Brick Type °F	IN-23 2300	IN-26 2600	IN-28 2800	IN-30 3000
25 Bricks = 1 Carton	9 x 4.5 x 2.5 in	1 Brick 25 Bricks	\$2.27 \$56.75	\$2.81 \$70.25	\$4.27 \$106.75	\$6.95 \$173.75
20 Bricks = 1 Carton	9 x 4.5 x 3 in	1 Brick 20 Bricks	\$2.66 \$45.20	\$3.33 \$66.60	\$5.04 \$100.80	\$8.27 \$165.40

*Anything less than a full pallet does incur \$40 broken pallet fee.

Notes:

- Bricks must be shipped by truck, not courier service
- 24 cartons per pallet
- \$25 handling fee for less than a pallet
- Only "straights currently stocked
- All other types (arch, wedge & key) can be obtained in 4-6 weeks
- Full pallet pricing up to 25% discounts.
- For best pricing on large orders, contact us.