



Insulating Fire Bricks

Typical Data

Properties		RI 23	RI 23B	Calor A	Calor B	Calor CA	Calor 26	Calor 26B
Classification	ISO 2245 ASTM C 155	130-0.65-L 23	130-0.7-L 23	135-0.8-L	135-0.9-L	135-1.1-L	140-0.8-L 26	140-0.9-L
Classification Temperature (°C)		1300	1300	1350	1350	1350	1430	1430
Density (kg/m³)	ASTM C 134	650	700	820	900	1100	820	900
Cold Crushing Strength (MPa)	ASTM C 133	1.3	2.0	2.5	4.0	Flat 5.4 Edge 8.2	2.2	4.0
Permanent Linear Change (%) 12h soak at Temperature, °C	ASTM C 210							
1300		-0.5	-0.5	-	-	-	-	-
1350		-	-	-0.5	-0.5	-0.5	-	-
1400		-	-	-	-	-	-0.5	-0.5
Linear Thermal Expansion (%) Reversible 20-1000°C		0.5	0.5	0.5	0.5	0.5	0.6	0.6
Thermal Conductivity (W/mk) Mean Temperature, °C	ASTM C 182							
200		0.17	0.17	0.21	0.23	0.29	0.24	0.26
400		0.19	0.19	0.24	0.27	0.32	0.26	0.29
600		0.22	0.23	0.28	0.30	0.36	0.29	0.32
800		0.26	0.27	0.32	0.35	0.40	0.32	0.35
1000		0.30	0.31	0.37	0.40	0.45	0.36	0.39
Chemical Analysis (%)								
Al ₂ O ₃		34.0	34.0	34.0	34.0	34.0	43.0	43.0
SiO ₂		57.0	57.0	57.0	57.0	57.0	50.0	50.0
Fe ₂ O ₃		1.2	1.2	1.2	1.2	1.2	1.0	1.0

The above physical and chemical properties of Insulating Firebricks represent values obtained on standard squares in accordance with accepted test methods and are subject to normal manufacturing variations. This information is supplied as a technical service and may change without notice. Results should not be used for specific purposes.

Form P/91CALOR
Effective:01/00

For further information about one of the above mentioned Insulating Fire Bricks please do not hesitate to contact one of our specialists at:



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