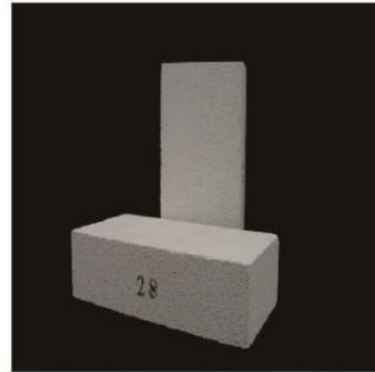


# INSULATING FIREBRICK      GJM26

## General Information

CMAX insulating firebricks are classified under temperature between 1100°C to 1700°C, manufactured from high purity alumina clay.



## Application

CMAX insulating firebricks can be used as a hot face lining directly exposed to the heat or as a backup insulation layer in iron and steel mills, non-ferrous foundries, petrochemical, ceramic, glass.

## Features

- ◆ Light weight and low thermal conductivity
- ◆ Low heat storage
- ◆ Low iron and impurities
- ◆ High thermal shock resistance

### GJM SERIES INSULATING FIREBRICK

Physical Properties		GJM20	GKM23	GJM23	GJM25	GJM26	GJM28	GJM30	GJM32
Classification Temperature	°C	1100	1260	1260	1350	1430	1540	1600	1760
	°F	2012	2300	2300	2462	2606	2804	3006	3200
Bulk Density (ASTM C134-84)	g/cm <sup>3</sup>	0.52	0.55	0.52	0.8	0.8	0.9	1.03	1.25
	lb/ft <sup>3</sup>	32	34	32	50	50	56	64	78
Cold Crushing Strength (ASTM C93-84)	Mpa	0.8	1.1	1.2	2	2	2.6	2.8	3.4
	lb/in <sup>2</sup>	114	156	170	284	284	370	398	484
Modulus of Rupture (ASTM C93-84)	Mpa	0.6	0.8	0.9	1.2	1.5	1.6	1.7	2
	lb/in <sup>2</sup>	85	116	128	170	218	232	247	290
Permanent Liner Change (24hours) (ASTM C210-85)	%	-0.1	-0.5	-0.2	-0.5	-0.5	-0.6	-0.7	-0.8
	°C	1070	1230	1230	1350	1400	1510	1620	1730
Thermal Conductivity (W/m.k) (ASTM C182-83)	400°C	0.17	-	0.17	0.24	0.25	0.3	0.4	0.49
	600°C	0.19	0.144	0.19	0.28	0.27	0.32	0.42	0.5
	800°C	0.22	0.169	0.22	0.32	0.3	0.35	0.44	0.51
	1000°C	0.24	0.186	0.25	0.37	0.33	0.37	0.45	0.53
	1200°C	—	-	—	—	0.35	0.39	0.47	0.55
Al <sub>2</sub> O <sub>3</sub>	%	45	45	45	50	55	65	72	76
Fe <sub>2</sub> O <sub>3</sub>	%	0.9	0.8	0.9	0.8	0.7	0.6	0.5	0.5
SiO <sub>2</sub>	%	50		50	45	42	32	26	22