



## JM SERIES INSULATING FIREBRICK



### Specifications:

Item		JM -23	JM -26	JM -28	JM -30	JM -32
Classification temperature (°C)		1260	1430	1540	1650	1760
Bulk density (g/cm <sup>3</sup> )		0.6	0.8	0.9	1	1.25
Cold Crushing strength (Mpa)		1.2	1.6	2.1	2.5	3.5
Modulus of rupture (Mpa)		0.9	1.4	1.6	2.1	2.1
Permanent linear change (CT-30X24h)% ≤		0.8	0.6	0.9	0.9	0.9
Reversible thermal expansion at 1100C		0.5	0.7	0.8	0.9	1.1
Thermal shock resistance (cycles) 1100C		30	30	30	30	30
Thermal conductivity (W/m.k)	400	0.14	0.27	0.32	0.41	0.49
	600	0.16	0.29	0.34	0.43	0.5
	800	0.18	0.31	0.36	0.44	0.51
	1000	0.2	0.33	0.38	0.45	0.53
	1200	-	0.35	0.41	0.47	0.56
Chemical Analysis (%)	Al <sub>2</sub> O <sub>3</sub>	37	58	67	73	77
	Fe <sub>2</sub> O <sub>3</sub>	0.7	0.7	0.6	0.5	0.4

### Note:

The above data is subject to reasonable variation and is intended as a guide only.