



4.3 Silica Refractories

Index Products	Series	SiO ₂ (Min.) %	Fe ₂ O ₃ (Max.) %	Bulk Density (Max.) g/cm ³	Apparent Porosity (Max.) %	Cold Crushing Strength (Min.) MPa	Refractoriness (Min.) °C	Reheating Linear Change %
Silica Bricks For Coke Oven	JG-94	94.0		2.35	22 (Bottom, SideWall); 24 (Other parts and Manual shape brick)	29.4 (Bottom, SideWall); 19.6 (Other parts and Manual shape brick)	1690	1450°Cx2h 0 -0.2
Silica Bricks	GZ-95	95.0		2.37	22.0	29.4	1710	
	GZ-94	94.0		2.38	23.0	24.5	1710	
	GZ-93	93.0		2.39	25.0	19.6	1690	
Silica Bricks For Glass Furnace	BG-96	95.5	1.0		20 (Max. 15kg); 21 (15.1kg-40kg)	29.4	1710	
	BG-95	95.0	1.2		21 (Max. 15kg); 22 (15.1kg-41kg)	29.4	1710	
	BG-94	94.0	1.5		22 (Max. 15kg); 22 (15.1kg-42kg)	24.5	1710	
	LBG-96	96.0	1.0		19 (Max. 15kg); 20 (15.1kg-43kg)	34.3	1710	1450°Cx2h 0 +0.3

5 Magnesite Refractories

Index Products	Code	Al ₂ O ₃ %	MgO (Min.) %	Cr ₂ O ₃ (Min.) %	CaO %	Bulk Density (Min.) g/cm ³	Apparent Porosity %	Cold Crushing Strength (Min.) MPa	Refracto- riness (Min.) °C	Reheating Linear Change %	Refracto- riness Under Load TO 6 0.2MPa ³⁰ °C	Thermal Shock Resistance (1100°C - water quench cycles)
Magnesite Bricks	MZ-95		95		3		18	58.8		0.5	1550	
	MZ-89		89		3 (Max.)		20 (Max.)	49		0.6 (Max.)	1540Min.	
	MZ-87		87		3 (Max.)		20 (Max.)	39.2		0	1520Min.	
Burned Magnesite Chrome Bricks	MGE-20		50	20			18 (Max.)	35			1700Min.	
	MGE-16		55	16			18 (Max.)	35			1700Min.	
	MGE-12		60	12			19 (Max.)	35			1650Min.	
	MGE-8		65	8			19 (Max.)	35			1650Min.	
Semi-direct Bonded Magnesite Chrome Bricks	BJ-50		65	8.0-13.0		3.0	22 (Max.)	40			1550Min.	3Min.
Magnesite Alumina Spinel Bricks	MLJ-8	65 (Min.)	26				18 (Max.)	40			1600Min.	10Min.
	MLJ-14	65 (Min.)	28				17 (Max.)	45			1600Min.	
Magnesite Alumina Bricks	ML-80A	10 (Max.)	80				18 (Max.)	39.2			1600Min.	3Min.
	ML-80B	10 (Max.)	80				20 (Max.)	29.4			1580Min.	3Min.