



4.1 Fireclay Refractories

Index Products	Series	Al ₂ O ₃ %	Fe ₂ O ₃ (Max.)%	R ₂ O (Max.)%	Na ₂ O (Max.)%	Apparent Porosity (Max.)%	Cold Crushing Strength (Min.)MPa	Refractori- ness (Min.)°C	Reheating Linear Change %	Refractoriness Under Load (0.2MPa)(Min.)°C
Fireclay Bricks	N-1					22	30	1750	1400°Cx2h +0.1 -0.4	1400
	N-2a					24	25	1730	1400°Cx2h +0.1 -0.5	1350
	N-2b					26	20	1730	1400°Cx2h +0.2 -0.5	
	N-3a					24	20	1710	1350°Cx2h +0.2 -0.5	1320
	N-3b					26	15	1710	1350°Cx2h +0.2 -0.5	
	N-4					24	20	1691	1350°Cx2h +0.2 -0.5	1300
Kaolinite Bricks For Blast Furnace	ZGN-42	42 (Min.)	1.6			15	58.6	1750	1450°Cx3h 0 -0.2	1450
	GN-42	42 (Min.)	1.7			16	49.0	1750	1450°Cx3h 0 -0.3	1430
Fireclay Bricks For Glass Oven	BN-40a	40 (Min.)	1.5			18	49		1400°Cx2h 0 -0.4	1450
	BN-40b	40 (Min.)	1.8			18	34.3		1400°Cx2h 0 -0.4	1400
	FXN-40	40 (Min.)	1.5	1.2	0.5	18	42		1400°Cx2h +0.1 -0.1	
Low Porosity Fireclay Bricks For Glass Oven	N-14	42-48	1.6			14	49	1750	1400°Cx2h +0.1 -0.5	1430
	N-15	42-48	1.8			15	39.2	1750	1400°Cx2h +0.1 -0.5	1420
	N-16	42-48	2			16	39.2	1750	1400°Cx2h +0.1 -0.5	1400
	N-18	42-48	2			18	39.2	1750	1400°Cx2h +0.1 -0.5	1400

4.2 High Alumina Refractories

Index Products	Series	Al ₂ O ₃ %	Fe ₂ O ₃ (Max.)%	MgO (Min.)%	SiC (Min.)%	Apparent Porosity (Max.)%	Cold Crushing Strength (Min.)MPa	Refractoriness (Min.)°C	Reheating Lin- ear Change%
Common High Alumina Bricks	LZ-75	75 (Min.)				23	53.9	1790	1500°Cx2h +0.1 -0.4
	LZ-65	65 (Min.)				23	49	1790	1500°Cx2h +0.1 -0.4
	LZ-55	55 (Min.)				22	44.1	1770	1500°Cx2h +0.1 -0.4
	LZ-48	48 (Min.)				22	39.2	1750	1450°Cx2h +0.1 -0.4
High Alumina-Cordierite Bricks	48-55		2.0	2-3.5		26	25	1650	1350°Cx2h +0.3 -0.5
Low-creep High Alumina Bricks For Hot-blast Stove	55 (Min.)		2.0			24	35	1770	
High Alumina-silica Bricks	60 (Min.)		2.0			23	50	1500	
High Alumina-silicon Carbide Bricks	40 (Min.)				10		40	1750	