

# Fire Clay Bricks

BRAND NAME		N								
ITEMS		N1-1	N1-2	N2-1	N2-2	N3-1	N3-2	N4-1	N4-2	N5
Refractoriness (SK)		34	34	33	33	32	32	31	31	30
Bulk Density		2.15	2.1	2.1	2.05	2	2	2	2	2
Apparent Porosity (%)		20	22	20	23	21	23	23	24	24
Cold Crushing Strength (kg/cm <sup>2</sup> )		400	350	300	250	300	250	300	200	200
Refractoriness Under Load (2kg/cm <sup>2</sup> , T 2 °C)		1350≤	1300≤	1350≤	1300≤	1350≤	1280≤	1300≤	1280≤	1280≤
Permanent Linear Change (%) (1400°C×2h)		0.1~-0.5	0.1~-0.5	0.1~-0.6	0.1~-0.6	at 1350°C × 2h ±0.5	at 1350°C × 2h ±0.5	at 1350°C × 2h ±0.5	at 1350°C × 2h ±0.5	at 1350°C × 2h ±0.5
Thermal Expansion (%) at 1000°C		0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Chemical Composition (%)	Al <sub>2</sub> O <sub>3</sub>	38	38	33	33	30	30	28	28	26
	SiO <sub>2</sub>	61	61	66	66	69	69	71	71	73
Applications		* Brick in accordance with K.S.L * Various Kiln & Furnace								