



Technical Data Sheet Fire Bricks (Up to 90% Alumina)

S. No.	Product Name	Chemical Analysis (wt%)		Apparent Porosity (%)	Bulk Density (g/cc) Min.	CCS (kg/cm ²)	PLC (%)	PCE (°C/OC) Min.	RUL (T _a ⁰ C)
		Al ₂ O ₃	Fe ₂ O ₃						
1	IS6	28-30	2.5- 3.0	23- 25	1.90	200- 250	±1.0 at 1350°C/2h	-	1300- 1350
2	IS8	38-40	2.5- 3.5	21-24	2.10	300-350	±1.0 at 1400°C/2h	-	1350-1400
3	AL-40	40-42	2.5-3.5	17-22	2.15	350-450	-0.8 to 0.3 at 1400°C/2h	1659/29	1350-1400
4	AL-50	48-50	2.6-3.5	17-21	2.30	450-550	-0.8 to 0.4 at 1450°C/2h	1717/32	1400-1450
5	AL-70	68-70	2.8-3.2	17-22	2.60	500-700	0.5 to 3.0 at 1500°C/2h	1804/36	1460-1480
6	AL-80	78-80	2.2-2.7	17-22	2.70	600-800	-0.5 to 2.5 at 1550°C/2h	1820/37	1490-1520
7	AL-90	88-92	0.5- 1.0	14-18	2.90	800-900	-0.2 to 0.5 at 1500°C/2h	1850/38	1580-1620