



THE QUALITY OF HIGH ALUMINA BRICK-CORUNDUM SERIES

Corundum, α -Al₂O₃, fused at 2050°C. It's bulk density is high and its hardness, is only next to diamond. It is very stable at a wide temperature range before fusion. Kuan-Ho made the corundum high alumina bricks by using imported electro-fused corundum as raw material, molded under high pressure, and fired at high temperature above 1600°C . These bricks possess the

following features.

- High refractoriness and refractoriness under load.
- The volume is stable and deformation is small at high temperature.
- Good resistance to spalling, corrosion, abrasion and thermal shock.

Typical Properties

Brand		DRL-100	DRL-90S	DRL-85
Properties				
Refractoriness(SK)		> 40	> 40	> 40
Apparent Porosity(%)		14.0	12.4	18.0
Bulk Density(g /cm ³)		3.15	3.05	2.90
Cold Crushing Strength (kg f /cm ²)		1200	1100	850
Refractoriness under load (T ₂ °C)Load:2kgf/cm ²		> 1750	> 1650	> 1650
Permanent Linear Change (%) 1500°C -2hrs		-0.1~ +0.1	-0.4~ +0.2	-0.4~ +0.2
Thermal Expansion (%) at 1000°C		< 0.95	< 0.90	< 0.7
Chemical Composition(%)	Al ₂ O ₃	98.0	92.0	86
	Fe ₂ O ₃	0.2	0.8	0.8
Characteristics		Super-high-burned	Spalling resistance Air cooling >70 cycle (at 1350°C)	High-burned
Main Application		Rotary kiln, etc.	Hot-blast Rotary kiln etc.	Various furnace and kilns