KUAN-HO REFRACTORIES INDUSTRY CORPORATION

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The TCC Group

K09AG20

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 Propertie				
Brand Properties		DRL-100	DRL-90S	DRL-85
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 (T2°C)Load:2kgf/cm ²		>1750	>1650	>1650
Permanent Linear Change		-0.1~	-0.4~	-0.4~
(%) 1500°C –2hrs		+0.1	+0.2	+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

Typical Properties

The average values are typical standard values which cannot be considered as binding specifications. All previously published technical data are replaced by the values stated herein and thus become invalid.