



DATA SHEET

ITEM No	Standard Grade Alkali Resistant Brick-----RT-RK-O	
Physical Property:		
Apparent Porosity(%)	≤	21
Cold Crushing Strength(MPa)	≥	30
Refractoriness Under Load(T0.6 °C)	≥	1350
Thermal Conductivity (1000°C)(W/m.K)	≤	1.3
Thermal Shock Resistance (1100°C,Water)(Cycles)	≥	30
Thermal Expansion(900°C) (%)	*	0.7
Chemical Analysis(%)		
Al2O3	≥	25-30
SiO2	≤	60-70
Note:All data are average values obtained at samples for laboratory purposes.		
Application:Cement Rotary Kiln		

Henan Ruitai Refractory Materials Technology Co.,Ltd

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DATA SHEET

ITEM No	High Grade Alkali Resistant Brick----RT-RK-H	
Physical Property:		
Apparent Porosity(%)	≤	20
Cold Crushing Strength(MPa)	≥	60
Refractoriness Under Load(T0.6 °C)	≥	1300
Thermal Conductivity (1000℃)(W/m.K)	≤	1.4
Thermal Shock Resistance (1100℃,Water)(Cycles)	≥	20
Thermal Expansion(900℃) (%)	*	0.7
Chemical Analysis(%)		
Al2O3	≥	25-30
SiO2	≤	60-70
Note:All data are average values obtained at samples for laboratory purposes.		
Application:Cement Rotary Kiln		

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ITEM No	Arch Type Alkali Resistant Brick----RT-RK-A	
Physical Property:		
Apparent Porosity(%)	≤	25
Cold Crushing Strength(MPa)	≥	30
Refractoriness Under Load(T0.6 °C)	≥	1400
Thermal Conductivity (1000℃)(W/m.K)	≤	1.3
Thermal Shock Resistance (1100℃,Water)(Cycles)	≥	30
Thermal Expansion(900℃) (%)	*	0.65
Chemical Analysis(%)		
Al2O3	≥	30-35
SiO2	≤	60-65
Note:All data are average values obtained at samples for laboratory purposes.		
Application:Cement Rotary Kiln		

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