



DATA SHEET

ITEM No	High Grade Magnesite Hercynite Brick---(RT-MAFe-85A)	
Physical Property:		
Bulk Density(g/cm3)	≥	2.95
Cold Crushing Strength(MPa)	≥	55
Refractoriness Under Load(T0.6 °C)	≥	1600
Thermal Expansion(1400℃)(%)	*	1.6
Thermal Conductivity (1000℃)(W/m.K)	≤	2.6
Thermal Shock Resistance(950℃,Air)(Cycles)	≥	100
Chemical Analysis(%)		
MgO	≥	85
Al2O3	≥	3-5
Fe2O3	*	4-6
Note:All data are average values obtained at samples for laboratory purposes.		
Application:Cement Rotary Kiln		

Henan Ruitai Refractory Materials Technology Co.,Ltd

ADD:26km away from Zhengzhou International Airport,
Zhengzhou 451100,Henan, China

Tel:0086-371-62586888 Fax:0086-671-62585779

Website: www.ruitairefractories.com Email: ruitairefractories@163.com



DATA SHEET

ITEM No	High Grade Magnesite Hercynite Brick---(RT-MAFe-85B)	
Physical Property:		
Bulk Density(g/cm3)	≥	2.93
Cold Crushing Strength(MPa)	≥	50
Refractoriness Under Load(T0.6 °C)	≥	1550
Thermal Expansion(1400℃)(%)	*	1.6
Thermal Conductivity (1000℃)(W/m.K)	≤	2.6
Thermal Shock Resistance(950℃,Air)(Cycles)	≥	90
Chemical Analysis(%)		
MgO	≥	85
Al2O3	≥	3-5
Fe2O3	*	4-6
Note:All data are average values obtained at samples for laboratory purposes.		
Application:Cement Rotary Kiln		

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ITEM No	High Grade Magnesite Hercynite Brick---(RT-MAFe-80A)	
Physical Property:		
Bulk Density(g/cm3)	≥	3.00
Cold Crushing Strength(MPa)	≥	50
Refractoriness Under Load(T0.6 °C)	≥	1600
Thermal Expansion(1400℃)(%)	*	1.7
Thermal Conductivity (1000℃)(W/m.K)	≤	2.8
Thermal Shock Resistance(950℃,Air)(Cycles)	≥	100
Chemical Analysis(%)		
MgO	≥	80
Al2O3	≥	*
Fe2O3	*	5-7
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ITEM No	High Grade Magnesia Hercynite Brick---(RT-MAFe-80B)	
Physical Property:		
Bulk Density(g/cm3)	≥	3.00
Cold Crushing Strength(MPa)	≥	50
Refractoriness Under Load(T0.6 °C)	≥	1550
Thermal Expansion(1400℃)(%)	*	1.6
Thermal Conductivity (1000℃)(W/m.K)	≤	2.6
Thermal Shock Resistance(950℃,Air)(Cycles)	≥	90
Chemical Analysis(%)		
MgO	≥	80
Al2O3	≥	*
Fe2O3	*	5-7
Note:All data are average values obtained at samples for laboratory purposes.		
Application:Cement Rotary Kiln		

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