



DATA SHEET

ITEM No	Direct-bonded Magnesia Chromite Brick---(RT-DMC-6)	
Physical Property:		
Bulk Density(g/cm3)	≥	2.9
Apparent Porosity(%)	≤	18
Cold Crushing Strength(MPa)	≥	40
Refractoriness Under Load(T0.6 °C)	≥	1550
Thermal Expansion(1400℃)(%)	*	1.4
Thermal Conductivity (1000℃)(W/m.K)	≤	2.9
Thermal Shock Resistance(950℃,Air)(Cycles)	≥	60
Chemical Analysis(%)		
MgO	≥	80
Cr2O3	≥	6.0
SiO2	≤	2.8
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	Direct-bonded Magnesia Chromite Brick---(RT-DMC-8A)	
Physical Property:		
Bulk Density(g/cm3)	≥	2.95
Apparent Porosity(%)	≤	17
Cold Crushing Strength(MPa)	≥	50
Refractoriness Under Load(T0.6 °C)	≥	1600
Thermal Expansion(1400℃)(%)	*	1.5
Thermal Conductivity (1000℃)(W/m.K)	≤	2.8
Thermal Shock Resistance(950℃,Air)(Cycles)	≥	80
Chemical Analysis(%)		
MgO	≥	75
Cr2O3	≥	8.0
SiO2	≤	1.8
Note:All data are average values obtained at samples for laboratory purposes.		
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ITEM No	Direct-bonded Magnesia Chromite Brick---(RT-DMC-8B)	
Physical Property:		
Bulk Density(g/cm3)	≥	2.95
Apparent Porosity(%)	≤	18
Cold Crushing Strength(MPa)	≥	40
Refractoriness Under Load(T0.6 °C)	≥	1580
Thermal Expansion(1400℃)(%)	*	1.5
Thermal Conductivity (1000℃)(W/m.K)	≤	2.8
Thermal Shock Resistance(950℃,Air)(Cycles)	≥	80
Chemical Analysis(%)		
MgO	≥	75
Cr2O3	≥	8.0
SiO2	≤	2.0
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ITEM No	Direct-bonded Magnesia Chromite Brick---(RT-DMC-9A)	
Physical Property:		
Bulk Density(g/cm3)	≥	2.98
Apparent Porosity(%)	≤	19
Cold Crushing Strength(MPa)	≥	40
Refractoriness Under Load(T0.6 °C)	≥	1600
Thermal Expansion(1400℃)(%)	*	1.6
Thermal Conductivity (1000℃)(W/m.K)	≤	2.8
Thermal Shock Resistance(950℃,Air)(Cycles)	≥	60
Chemical Analysis(%)		
MgO	≥	70
Cr2O3	≥	9.0
SiO2	≤	2.8
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