



DATA SHEET

Top Grade Innovative Fused Magnesia Chromite Brick			
ITEM No		RT-MgCr-TG	RT-MgCr-HG
Physical Property:			
Bulk Density(g/cm ³)	≥	3.38	3.33
Apparent Porosity(%)	≤	13	16
Cold Crushing Strength(MPa)	≥	105	60
Hot Modulus of Rupture(MPa)	≥	6	6
Refractoriness Under Load(T0.6 °C)	≥	1700	
Thermal Expansion(%)	500°C	0.41 ± 10%	0.37 ± 10%
	1000°C	0.9 ± 10%	0.83 ± 10%
	1400°C	1.47 ± 10%	1.31 ± 10%
Thermal Conductivity (W/m.K)	500°C	3.1 ± 10%	3.1 ± 10%
	1000°C	2.8 ± 10%	2.7 ± 10%
	1200°C	2.8 ± 10%	2.70 ± 10%
Chemical Analysis(%)			
MgO	≥	50	50
Cr ₂ O ₃	≥	26	26
Al ₂ O ₃	≤	9	9
Fe ₂ O ₃	≤	14	14
CaO	≤	1	1
SiO ₂	≤	1.5	1
Note: All data are typical values obtained from samples for laboratory purposes.			