



(Formerly Tata Refractories Limited)  
Product Definition Sheet

**TRL MGR-C**

Revision No.: 00			Date: 20-04-2022	
Product Name:	TRL MGR-C			
Product Description:	Natural Sintered Magnesia based magnesite brick			
Application:	Lime Kiln, Safety Lining of Steel Ladle & different furnaces			
CONTROL PROPERTIES:				
Chemical Analysis (Calcined Basis)	Unit by wt	Value		Test Method
		Typical	Limit	
MgO	%	86.1	≥ 83	By XRF
SiO <sub>2</sub>	%	5.5	≤ 6.5	
Fe <sub>2</sub> O <sub>3</sub>	%	2.1		
Physical Properties	Unit			
Bulk Density	gm/cc	2.84		ISO 5017: 1998
App. porosity	Vol.%	20.7	≤ 22.0	ISO 5017: 1998
CCS	Kg/cm <sup>2</sup>	380	≥ 350	ISO 10059-2:2003
SUPPLEMENTARY PROPERTIES (FOR INFORMATION ONLY):				
Property	Unit	Typical	Limit	Test Method
RUL (t <sub>a</sub> ) at 2 kg/cm <sup>2</sup>	°C	1600		IS 1528- Part 2
PLC at 1500°C/2hrs	%	- 0.22		ISO 2478:1987
Control Dimensions:	AQL 6.5% for critical dimensions (ISO 5022)			
Shelf Life	12 months from the date of manufacture when stored under shed and free from moisture			
Technology Manager				Signature:
Contact Address	TRL Krosaki Refractories Limited P.O.- Belpahar, Dist.- Jharsuguda, Odisha, Pin- 768 218, INDIA Phone: 91-6645-250286 Information department: Technology Division			

**Note:**

1) The typical technical data shown are based on average results on production samples and are subjected to normal variation on individual tests. Hence, it cannot be taken as specification.

2) The above specification is valid for solid pressed standard items only. For shaped items and weight more than 20Kg may have a variation of 10%.

**Disposal Consideration:**

May be disposed in an approved landfill unless contaminated in service. If contaminated with hazardous materials, place waste in suitable container. Seal and properly label the waste container. Send the container to an approved Transportation, Storage and Disposal (TDS) facility via an approved waste hauler. Be sure manifests have been completed and an adequate "Paper trail" has been established.