

(Formerly Tata Refractories Limited)
Product Definition Sheet

Revision No.: 03

Date: 14.12.2017

Product Name:	TRL CRXS
Product Description:	Semi Re-Bonded Mag-Chrome Brick based on high purity Magnesia, Fused Mag-Chrome grain and Chrome Ore.
Application:	Different furnaces in Non-ferrous industries and RH Degasser

CONTROL PROPERTIES:

Chemical Analysis (Calcined Basis)	Unit by wt	Value		Test Method
		Typical	Limit	
MgO	%	60.8	≥ 57.0	By XRF
Cr ₂ O ₃	%	21.3	≥ 19.0	
SiO ₂	%	0.7	≤ 1.2	
Fe ₂ O ₃	%	8.4	--	
Al ₂ O ₃	%	6.2	--	
CaO	%	0.6	--	
Physical Properties	Unit			
Bulk Density	gm/cc	3.22	≥ 3.15	ISO 5017: 1998
App. porosity	Vol.%	17.1	≤ 18.0	ISO 5017: 1998
CCS	kg/cm ²	540	≥ 400	ISO 10059-2:2003
RUL (t _a) at 2 kg/cm ²	°C	1720	--	IS 1528- Part 2

SUPPLEMENTARY PROPERTIES (FOR INFORMATION ONLY):

Property	Unit	Typical	Limit	Test Method
PLC at 1500°C/2hrs	%	+ 0.19	--	ISO 2478:1987
Thermal Expansion at 1000°C	%	+ 0.86	--	IS 1528 (Part 19): 1991

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:
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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.