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(Formerly Tata Refractories Limited)

Product Definition Sheet

TRL Incast 11G

Revision No :01

Date : 01-05-2020

Product Name	TRL Incast 11G
Product Description	Medium duty insulating castable
Application	Back up insulation lining
Maximum Service temperature	1300°C
Disposal Recommendation	Must not be disposed together with household garbage. Do not allow products to reach sewage system.

CONTROL PROPERTIES

Chemical Analysis	Unit by wt	Value		Test Method
		Typical	Limit	
Al ₂ O ₃	%	32.4	28 - 35	By WET CHEMICAL
SiO ₂	%	43.2		By SPECTROPHOTOMETER
Fe ₂ O ₃	%	5.3	4 - 6	By SPECTROPHOTOMETER
CaO	%	14.3		By WET CHEMICAL
Physical properties	Unit			
Bulk Density at 110°C/24 hrs	Kg/m ³	1330	1250 - 1400	BIS 10570
CCS at 110°C/24 hrs	N/mm ²	3.9	3 - 5	BIS 10570
CCS at 800°C/3 hrs	N/mm ²	2.7	2 - 4	BIS 10570
CCS at 1100°C/3 hrs	N/mm ²	4.1	3 - 5	BIS 10570
CCS at 1200°C/3 hrs	N/mm ²	5.8	4 - 8	BIS 10570
Thermal conductivity				
At 500 °C hot face	Kcal/m/hr/°C	0.28	≤ 0.31	BIS 9490
PLC at 1200°C/3 hrs	%	- 1.59	≤ +/- 2.0	BIS 10570
Maximum Grain size	mm	98.6% passing through 5mm	≤ 5	
Shelf Life	9 months from the date of manufacture			
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			

N.B: 95% Min. will pass through the maximum grain size indicated.