

 TRL KROSAKI (Formerly Tata Refractories Limited) Product Definition Sheet				TRL Cast LC 70	
Revision No: 01				Date : 03.06.2020	
Product Name		TRL Cast LC 70			
Product Description		High Purity Low Cement Castable			
Maximum Service temperature		1600°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	%	70.42	67 - 72		By Wet Chemical
SiO ₂	%	26.4			By Wet Chemical
Fe ₂ O ₃	%	1.86	1.6 - 2.1		By Wet Chemical
CaO	%	1.69			By Wet Chemical
Physical properties	Unit				
Bulk Density at 110°C/24 hrs	Kg/m ³	2620	2500 - 2700		BIS 10570
CCS at 110°C/24 hrs	N/mm ²	74	60 - 90		BIS 10570
CCS at 800°C/3 hrs	N/mm ²	82	60 - 90		BIS 10570
CCS at 1100°C/3 hrs	N/mm ²	89	70 - 100		BIS 10570
CCS at 1500°C/3 hrs	N/mm ²	115	80 - 120		BIS 10570
PLC at 1500°C/3 hrs	%	+ 0.67	≤ +/- 1.5		BIS 10570
Thermal conductivity					
At 400°C hot face	W/mk	1.38			BIS 9490
At 600°C hot face	W/mk	1.45			BIS 9490
At 800°C hot face	W/mk	1.51			BIS 9490
PCE	°C	+ 1760	≥ 1760		BIS - 1528
Maximum Grain size	mm	98.7% passing through 5 mm	≤ 5		
Shelf Life	6 months from the date of manufacture				
Technology Manager					Signature:
Contact Address	TRL Krosaki Refractories Ltd P.O – Belpahar, Dist.- Jharsuguda Odisha, Pin-768218 ,India Phone: 91-6645-250286 Information department: Technology Division				

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