

 TRL Krosaki (Formerly Tata Refractories Limited) Product Definition Sheet				TRL Cast AH 90	
Revision No : 01				Date : 03.06.2020	
Product Name		TRL Cast AH 90			
Product Description		High Purity Dense castable			
Maximum Service temperature		1750°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	Range		
Al ₂ O ₃	%	87.8	86 - 90		By Wet Chemical
SiO ₂	%	3.76			By Wet Chemical
Fe ₂ O ₃	%	1.59	1.4 - 1.8		By Wet Chemical
CaO	%	4.92			By Wet Chemical
Physical properties	Unit				
Bulk Density at 110°C/24 hrs	Kg/m ³	2640	2500 - 2700		BIS 10570
CCS at 110°C/24 hrs	N/mm ²	52.3	40 - 60		BIS 10570
CCS at 1400°C/3 hrs	N/mm ²	48.1	25 - 50		BIS 10570
CCS at 1500°C/3 hrs	N/mm ²	71.9	40 - 80		BIS 10570
PLC at 800°C/3 hrs	%	- 0.14			BIS 10570
PLC at 1100°C/3 hrs	%	- 0.19			BIS 10570
PLC at 1500°C/3 hrs	%	- 1.88	≤ +/- 2.5		BIS 10570
PCE	°C	+ 1780	≥ 1780		IS 1528
Maximum Grain size	mm	98.5% passing through 5 mm	≤ 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.