



**(Formerly Tata Refractories Limited)
Product Definition Sheet**

TRL Cast FH 70(G)

Revision No:01

Date : 03.06.2020

Product Name	TRL Cast FH 70(G)
Product Description	Medium Purity Dense Castable
Maximum Service temperature	1350°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	%	62.18	60 - 65	By Wet Chemical
SiO ₂	%	26.2		By Wet Chemical
Fe ₂ O ₃	%	3.9	3.5-4.5	By Wet Chemical
Physical properties	Unit			
Bulk Density at 110°C/24 hrs	Kg/m ³	2370	2350 - 2450	BIS 10570
CCS at 110°C/24 hrs	N/mm ²	29	25 - 40	BIS 10570
CCS at 800°C/3 hrs	N/mm ²	25		BIS 10570
CCS at 1100°C/3 hrs	N/mm ²	25		BIS 10570
CCS at 1400 °C/3 hrs	N/mm ²	40		BIS 10570
PLC at 1400°C/3 hrs	%	- 2.17	+/- 2.5	BIS 10570
Thermal conductivity at 600°C hot face	W/mK	0.71		BIS 9490
Thermal conductivity at 800°C hot face	W/mK	0.74		BIS 9490
Thermal conductivity at 1000°C hot face	W/mK	0.77		BIS 9490
PCE	°C	+ 1580	≥ 1580	BIS 1528
Maximum Grain size	mm	98.7% passing through 5mm	≤ 5	
Shelf Life	9 months from the date of manufacture			
Technology Manager				
Contact Address	TRL Krosaki Refractories Ltd P.O – Belpahar, Dist.- Jharsuguda Odisha, Pin-768218 ,India Phone: 91-6645-250286 Information department: Technology Division			Signature:

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