

IREFCAST ESLI (LTI)

TECHNICAL DATA : LIMITED

PHYSICAL PROPERTIES :

(Typical)	Maximum service temperature	1450 °C
	Dry castable required , Kg / m ³	2040
	Approximate amount of water required for pouring , litres / 25 Kg	2.5 – 3.0
	Bulk Density , Kg / m ³ after drying at 110 °C	2150
	Grain size	0.0 – 5.0 mm

THERMOMECHANICAL PROPERTIES :

	Cold Crushing Strength Kg / cm ²	Modulus of Rupture Kg / cm ²	Linear Change %
After Drying at 110 °C	400 – 500	60 – 100	Negligible
After Heating at 540 °C	400 – 450	40 – 60	- 0.5 to + 0.1
After Heating at 815 °C	400 – 450	25 – 45	- 0.4 to + 0.2
After Heating at 1370 °C	250 – 450	50 – 100	+ 0.5 to + 3.0

CHEMICAL ANALYSIS (Calcined Basis) :

(Approximate)

Silica (SiO ₂)	Alumina (Al ₂ O ₃)	Iron Oxide (Fe ₂ O ₃)	Lime (CaO)
30 – 35 %	46 – 50 %	2.0 – 2.5 %	9.0 – 11.0 %

All data based on cast specimens . ASTM procedures , where applicable , used for determination of data .

For data of vibration cast or gunned , consult our sales & Engineering service's experts .

All data subject to reasonable deviations , and therefore , should not be used for specification purposes .

DESCRIPTION : Fireclay base castable with low iron hydraulic binder .

FEATURES :

- Excellent strength throughout its entire temperature range , Iron content not over 3 %
- High resistance to Mechanical impact and abrasion .
- May be cast , trowelled or rammed .

SHIPPING DATA : Shipped dry in multi – wall moisture – proof sacks of 25 Kg , Net Weight .

Issued date : 1390/06/22

Rev : 0