



IRECAST ESLI(AR)

Max. Temperature Service:	1425 °C
Classification:	Fireclay base castable with low iron hydraulic binder
Main Raw Material Component:	High quality Low Iron chamotte - SiC & calcium – aluminate binder .
Type Of Bond:	Hydraulic
Grain Size	0 – 5 mm
Water required For Pouring	7 – 10 %
Dry Castable Required	2040 Kg/m ³
Features and Main Applications:	Excellent strength throughout its entire temperature range, Iron content not over 3 % High resistance to Mechanical impact and abrasion. Stable withstand CO and alkali atmospheres. Recommended for various purposes; Steel & Cement Industries (particularly preheater) as well as Nonferrous Industries. Excellent strength throughout its entire temperature range, Iron content less than 3 % High resistance to Mechanical impact and abrasion. May be cast, gunned, troweled or rammed .

Chemical Composition (Calcined base)

Al ₂ O ₃ %	SiO ₂ %	Fe ₂ O ₃ %	SiC %	CaO%	(Na ₂ O+ K ₂ O+ Li ₂ O) %
48 – 50	28 – 30	2.1-2.7	5.0	9 – 11	1.0-1.3

Thermomechanical Properties

		After drying at 110 °C	After heating at 1370 °C
Bulk Density	(Kg/m ³)	> 2160	–
Cold Crushing Strength	(kg/cm ²)	400-500	220-400
Modulus of Rupture	(kg/cm ²)	60-110	50-110
Linear Change	(%)	Negligible	+ 0.5 to + 2.5

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
.ASTM Test Methods, where applicable, used for determination of data.

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