



IRAN REFRACTORIES COMPANY

TECHNICAL DATA SHEET



KORACAST GLC

Temperature Service:	1820 °C
Classification:	High Alumina Castable (Low cement)
Main Raw Material Component:	Blended mixture of Tabular alumina and low Iron calcium aluminate binder
Type Of Bond:	Hydraulic
Grain Size:	0 – 6 mm
Water required For Pouring:	5 – 7 %
Dry Castable Required:	2900 Kg/m ³
Features and Main Applications:	General uses. High refractoriness, exceptional strength and abrasion resistance. Resistant to ferrous and non – ferrous metals and associated slags. High stability under reducing and other special atmospheres. May be cast, rammed, or troweled into place. Excellent thermal shock resistance.

Chemical Composition (Calcined base)		
Al₂O₃ %	SiO₂ %	CaO %
96.5–97.5	< 0.5	1.6 –1.8

Thermomechanical Properties			
		<i>After drying at 110 °C</i>	<i>After heating at 1500 °C</i>
Bulk Density	(Kg/m ³)	> 2930	–
Cold Crushing Strength	(kg/cm ²)	550-650	900-1000
Linear Change	(%)	–	+ 0.5 to + 0.75

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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