



IRAN REFRACTORIES COMPANY

TECHNICAL DATA SHEET



KORACAST G (0 - 3)

Temperature Service:	1750 °C
Classification:	High Alumina Castable
Main Raw Material Component:	Blended mixture of Tabular alumina and low Iron calcium aluminate binder
Type Of Bond:	Hydraulic
Grain Size:	0 – 3 mm
Water required For Pouring:	10 – 12 %
Dry Castable Required:	2700 Kg/m ³
Features and Main Applications:	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. Appropriate for troweling applications.

Chemical Composition (Calcined base)

Al ₂ O ₃ %	Fe ₂ O ₃ %	CaO %
92-95	0.1	4.0-6.0

Thermomechanical Properties

		After drying at 110 °C	After heating at 1730 °C
Bulk Density	(Kg/m ³)	> 2750	–
Cold Crushing Strength	(kg/cm ²)	300-400	300-400
Modulus of Rupture	(kg/cm ²)	50-100	100-150
Linear Change	(%)	Negligible	– 1.0 to + 0.5

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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