



# IRAN REFRACTORIES COMPANY

## TECHNICAL DATA SHEET



### KORACAST GMC

<b>Max. Temperature Service:</b>	1800 °C
<b>Classification:</b>	High Alumina Castable (medium cement)
<b>Main Raw Material Component:</b>	Blended mixture of Tabular alumina and low Iron calcium aluminate binder
<b>Type Of Bond:</b>	Hydraulic
<b>Grain Size:</b>	0 – 6 mm
<b>Water required For Pouring:</b>	8 – 10 %
<b>Dry Castable Required:</b>	2800 Kg/m <sup>3</sup>
<b>Features and Main Applications:</b>	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, gunned, or troweled into place. High thermal shock resistance.

#### Chemical Composition (Calcined base)

Al <sub>2</sub> O <sub>3</sub> %	Fe <sub>2</sub> O <sub>3</sub> %	CaO %
96-97	<0.2	2.0-3.0

#### Thermomechanical Properties

		After drying at 110 °C	After heating at 1500 °C
<b>Bulk Density</b>	(Kg/m <sup>3</sup> )	> 2850	–
<b>Cold Crushing Strength</b>	( kg/cm <sup>2</sup> )	300-350	450-550
<b>Linear Change</b>	( %)	Negligible	+ 0.3

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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