



IRAN REFRACTORIES COMPANY

TECHNICAL DATA SHEET



KORACAST (AR)

Temperature Service:	1750 °C
Classification:	High Alumina, Alkali resistance castable
Main Raw Material Component:	Blended mixture of Tabular alumina and low Iron calcium aluminate binder.
Type Of Bond:	Hydraulic
Grain Size:	0 – 6.5 mm
Water required For Pouring:	8 – 10 %
Dry Castable Required:	2700 Kg/m ³
Features and Main Applications:	High refractoriness, excellent 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 .

Chemical Composition (Calcined base)			
Al₂O₃ %	Fe₂O₃ %	CaO %	SiC%
89	0.1	5.2	4.8

Thermomechanical Properties			
		<i>After drying at 110 °C</i>	<i>After heating at 1600 °C</i>
Bulk Density	(Kg/m ³)	> 2750	–
Cold Crushing Strength	(kg/cm ²)	500-800	600-750
Modulus of Rupture	(kg/cm ²)	90-120	100-140
Linear Change	(%)	Negligible	– 0.5 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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