



IRAN REFRACTORIES COMPANY

TECHNICAL DATA SHEET



KROMCAST

Temperature Service:	1650 °C
Classification:	Chrome ore based castable
Main Raw Material Component:	Chrome ore and low Iron calcium aluminate binder.
Type Of Bond:	Hydraulic
Grain Size	0 – 5.6 mm
Water required For Pouring	9 – 10 %
Dry Castable Required	2790 Kg/m ³
Features and Main Applications:	Excellent resistance to abrasion, rapid hydraulic set. Recommended for refractory lining in cyclones, ducts, piping and chutes of the petro – chemical and mineral processing industries. Must be pre – dampened for gunning

Chemical Composition (Calcined base)					
Cr ₂ O ₃ %	Al ₂ O ₃ %	MgO %	Fe ₂ O ₃ %	SiO ₂ %	CaO %
26 – 29	37 – 40	11.5–13.0	10 – 12	2.6 – 3.2	5.0 – 6.0

Thermomechanical Properties			
		After drying at 110 °C	After heating at 1500 °C
Bulk Density	(Kg/m ³)	> 2860	–
Cold Crushing Strength	(kg/cm ²)	450-650	450-500
Modulus of Rupture	(kg/cm ²)	100-160	30-60
Linear Change	(%)	Negligible	– 1.0 to + 0.4

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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