



IRAN REFRACTORIES COMPANY

TECHNICAL DATA SHEET



ALMACAST G (0-6)

Temperature Service:	1700 °C
Classification:	High Alumina Castable (medium cement).
Main Raw Material Component:	Blended mixture of carefully sized high alumina aggregate and low Iron calcium aluminate binder .
Type Of Bond:	Hydraulic
Water required For Pouring	9 – 10 %
Dry Castable Required	2480 Kg/m ³
Features and Main Applications:	Easily installed by gunning or troweling. Recommended for repairs of ladle free board. Excellent workability and setting properties.

Chemical Composition (Calcined base)

Al ₂ O ₃ %	SiO ₂ %	TiO ₂ %	Fe ₂ O ₃ %	CaO %
83-86	4.0-6.0	2.5-3.5	1.2-1.8	4.0 – 6.0

Thermomechanical Properties

		After drying at 110 °C	After heating at 1500 °C
Bulk Density	(Kg/m ³)	> 2600	–
Cold Crushing Strength	(kg/cm ²)	300-450	450-500
Modulus of Rupture	(kg/cm ²)	80-100	120-180
Linear Change	(%)	Negligible	–

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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