



IRAN REFRACTORIES COMPANY

TECHNICAL DATA SHEET



IRALMAG IP

Classification:	High Alumina - Magnesia Brick
Main Raw Material Component:	Tabular Alumina, high grade magnesia and flake graphite with addition of antioxidants
Type Of Bond:	Chemical Bonded
Main Applications:	For the wall and bottom of steel ladles

Chemical Composition (Calcined base)					
Al ₂ O ₃ %	MgO %	CaO %	Fe ₂ O ₃ %	SiO ₂ %	C % (Firing in red. atm. at 1000°C)
92	6	0.3	0.3	1.0	> 6

Physical Properties		
Bulk density	gr/cm ³	3.05-3.20
Cold crushing strength	kg/cm ²	500-800
Apparent porosity	%	4-8

The above data are typical of the properties of commercial Standard brick .

The data are subject to reasonable variation and therefore should not be used for Specification purposes. They may not be regarded as committed specifications and therefore not as guaranteed properties .

ASTM Test Methods, where applicable, used for determination of data.

Revision:2

Date of issue: 1397/08/15

Code: IRF-ST-Q-860-19

Revision:00