



IRAN REFRACTORIES COMPANY

TECHNICAL DATA SHEET



IRMAG GR12 FHX

Classification:	Resin bonded magnesia-carbon brick
Main Raw Material Component:	Fused magnesia and flake graphite with addition of antioxidants
Type Of Bond:	Chemical Bonded
Main Applications:	For the hot spot area of EAF as well as converters

Chemical Composition (Calcined base)			
MgO %	CaO %	Fe ₂ O ₃ %	C % (Firing in red. atm. at 1000°C)
97 – 98	0.8 – 1.2	0.3 – 0.5	> 12

Physical Properties		
Bulk density	gr/cm ³	2.90-3.05
Cold crushing strength	kg/cm ²	400-500
Apparent porosity	%	< 6

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.

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