



# IRAN REFRACTORIES COMPANY

## TECHNICAL DATA SHEET



### IRMAG GR12 F

<b>Classification:</b>	Resin bonded magnesia-carbon brick
<b>Main Raw Material Component:</b>	Fused magnesia and flake graphite
<b>Type Of Bond:</b>	Chemical Bonded
<b>Main Applications:</b>	For the wall and bottom of steel ladles

<b>Chemical Composition</b> (Calcined base)			
MgO %	CaO %	Fe <sub>2</sub> O <sub>3</sub> %	C % (Firing in red. atm. at 1000°C)
98	0.9	0.5	> 12

<b>Physical Properties</b>		
<b>Bulk density</b>	gr/cm <sup>3</sup>	2.80-2.95
<b>Cold crushing strength</b>	kg/cm <sup>2</sup>	400-500
<b>Apparent porosity</b>	%	< 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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