



IRAN REFRACTORIES COMPANY

TECHNICAL DATA SHEET



IREFMAG 95 C

Classification:	Magnesite Brick
P . C . E . (<i>Equivalent temperature</i>)	> 38 (1835°C)
Main Raw Material Component:	Dead Burned Magnesia
Type Of Bond:	Chemical Bonded
Main Applications:	Safety layers in steel melting vessels, as well as Chemical & Nonferrous Industries

Chemical Composition (*Calcined base*)

MgO %	SiO ₂ %	CaO %	Al ₂ O ₃ %	Fe ₂ O ₃ %
92.5	2.9	2.0	0.4	1.8

Physical Properties

<i>Bulk density</i>	gr/cm ³	2.95-3.00
<i>Cold crushing strength</i>	kg/cm ²	450-700
<i>Modulus of rupture</i>	kg/cm ²	100-150

Thermomechanical Properties

<i>Refractoriness under Load T05</i>	°C	Min 1750
<i>Reversible Linear thermal expansion (1100 °C)</i>	%	≈ 1.5

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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