



IRAN REFRACTORIES COMPANY

TECHNICAL DATA SHEET



MAGNO 70C

Classification:	Magnesia – Chrome Brick (Unburned)
Main Raw Material Component:	Dead Burned Magnesia – Chromite
Type Of Bond:	Chemical Bonded
Main Applications:	Side walls in low capacity EAF

Chemical Composition (Calcined base)				
MgO %	Cr ₂ O ₃ %	Fe ₂ O ₃ %	Al ₂ O ₃ %	SiO ₂ %
68 – 71	12 – 14	5.0 – 7.0	5.0 – 7.0	2.0 – 4.0

Physical Properties		
Bulk density	g/cm ³	> 2.89
Cold crushing strength	kg/cm ²	400 – 500
Modulus of rupture	kg/cm ²	50 – 70

Thermomechanical Properties		
Refractoriness under Load T05	°C	Min 1700
Reversible Linear thermal expansion (1100 °C)	%	≈ 1.2

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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