



IRAN REFRACTORIES COMPANY

TECHNICAL DATA SHEET



MAGNO 60

Classification:	Magnesia – Chrome Brick
Main Raw Material Component:	Dead Burned Magnesia – Chromite
Type Of Bond:	Ceramic
Main Applications:	Transition Zone of cement rotary kilns, Good resistance to thermal shock.

Chemical Composition (Calcined base)				
MgO %	Cr ₂ O ₃ %	Fe ₂ O ₃ %	Al ₂ O ₃ %	SiO ₂ %
63-66	11-14	6.0-8.0	7.0-9.0	2.0-4.0

Physical Properties		
<i>Bulk density</i>	g/cm ³	> 2.99
<i>Cold crushing strength</i>	kg/cm ²	250 – 400
<i>Apparent porosity</i>	%	< 20
<i>Modulus of Rupture</i>	kg/cm ²	35-60

Thermomechanical Properties		
<i>Refractoriness under Load T05</i>	°C	Min 1550
<i>Reversible Linear thermal expansion (1100 °C)</i>	%	≈ 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.

Revision:3

Date of issue: 1397/08/15

Code: IRF-ST-Q-860-19

Revision:00