



IRAN REFRACTORIES COMPANY

TECHNICAL DATA SHEET



RENO 60 CU

Classification:	Magnesia – Chrome Brick (Burned)
Main Raw Material Component:	Dead Burned Magnesia – Chromite
Type Of Bond:	Ceramic
Main Applications:	Copper Industries (Anode & Converter furnaces)

Chemical Composition (Calcined base)					
MgO %	Cr ₂ O ₃ %	Al ₂ O ₃ %	Fe ₂ O ₃ %	SiO ₂ %	CaO %
> 60	> 15	12 – 15	6.0 – 7.0	< 2	0.5 – 1.0

Physical Properties		
<i>Bulk density</i>	g/cm ³	2.90-3.20
<i>Cold crushing strength</i>	kg/cm ²	370-600
<i>Apparent porosity</i>	%	16-19
<i>Modulus of rupture</i>	kg/cm ²	60-80

Thermomechanical Properties		
<i>Refractoriness under Load T₀</i>	°C	Min 1650
<i>Reversible Linear thermal expansion (1400 °C)</i>	%	≈ 0.5

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.

Revision:1

Date of issue: 1397/08/15

Code: IRF-ST-Q-860-19

Revision:00