



IRAN REFRACTORIES COMPANY

TECHNICAL DATA SHEET



RENO 60 H

Classification:	Magnesia – Chrome Brick (Burned)
Main Raw Material Component:	Dead Burned Magnesia – Chromite
Type Of Bond:	Ceramic
Main Applications:	Various purposes; Safety layers in steel melting vessels, Chemical & Nonferrous Industries.

Chemical Composition (Calcined base)

MgO %	Cr ₂ O ₃ %	Fe ₂ O ₃ %	SiO ₂ %	Al ₂ O ₃ %	CaO %
> 60	> 18	> 4	< 3	> 6.5	0.5–1.0

Physical Properties

<i>Bulk density</i>	g/cm ³	> 2.90
<i>Cold crushing strength</i>	kg/cm ²	350-500
<i>Apparent porosity</i>	%	< 20
<i>Modulus of rupture</i>	kg/cm ²	25-50

Thermomechanical Properties

<i>Refractoriness under Load T05</i>	°C	Min 1650
<i>Reversible Linear thermal expansion (1400 °C)</i>	%	≈ 0.4

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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