



IRAN REFRACTORIES COMPANY

TECHNICAL DATA SHEET



RENO 70

Classification:	Magnesia – Chrome Brick (Burned)
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 %	Al ₂ O ₃ %	Fe ₂ O ₃ %	CaO %	SiO ₂ %
> 60	> 15	11–13	6.0 – 8.0	< 1.2	< 2.5

Physical Properties		
Bulk density	g/cm ³	2.94 – 3.03
Cold crushing strength	kg/cm ²	250 – 350
Apparent porosity	%	16 – 19
Modulus of rupture	kg/cm ²	25 – 50

Thermomechanical Properties		
Refractoriness under Load T05	°C	Min 1500
Reversible Linear thermal expansion (1100 °C)	%	≈ 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.

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