



IRAN REFRACTORIES COMPANY

TECHNICAL DATA SHEET



KROMO 40

Classification:	Chromite Brick (Burned)
Main Raw Material Component:	Chromite – magnesite
Type Of Bond:	Ceramic
Main Applications:	Chemical & Nonferrous Industries (Ceramic Wool Industries), Excellent resistance to high temperature, abrasion, corrosion and chemical attacks.

Chemical Composition (Calcined base)				
MgO %	Cr ₂ O ₃ %	Al ₂ O ₃ %	Fe ₂ O ₃ %	SiO ₂ %
46 – 50	17 – 21	15 – 18	8.0 – 11	3.0 – 5.0

Physical Properties		
Bulk density	g/cm ³	> 2.90
Cold crushing strength	kg/cm ²	280 – 400
Apparent porosity	%	< 19
Modulus of rupture	kg/cm ²	35-60

Thermomechanical Properties		
Refractoriness under Load T ₀₅	°C	Min 1500
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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