IRAN REFRACTORIES COMPANY

TECHNICAL DATA SHEET

MAGNO 80 CF

Classification:	Magnesia − Spinel Brick
Main Raw Material Component:	Dead Burned Magnesia − Synthetic Spinel
Type Of Bond:	Direct Bonded
Main Applications:	Burning Zone of cement rotary kilns (Critical operation), Excellent coating adherence, Good resistance to thermal shock, Low thermal conductivity, High cold crushing strength. Chrome Ore free, Nonhazardous for environment

Chemical Composition ***(Calcined base)***			
MgO %	Al_2O_3 %	Fe_2O_3 %	SiO_2 %
80 – 84	10 – 13	3.0 – 5.0	< 1.5

Physical Properties		
Bulk density	g/cm^3	> 2.85
Cold crushing strength	kg/cm^2	> 450
Apparent porosity	%	< 18
Modulus of rupture	kg/cm^2	> 50

Thermomechanical Properties		
Refractoriness under Load T05	°C	Min 1450
Reversible Linear thermal expansion (1100 °C)	%	≈ 1.3

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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