



TECHNICAL DATA SHEET

Description:

Synthetic magnesite sinters, low in iron and boron, as used as raw materials for magnesite brick production. Their categorization is based on the CaO/SiO_2 ratio. Their excellent resistance against numerous basic slags and alkali oxides is typical for these products. Magnesite bricks are used in the regenerator chambers of glass melters and in furnaces in the non-ferrous metal industry. The MgO content of these bricks lies well above 90%

Features:

- High hot strength and super resistance to basic foreign substance, steel mill slag, Alkaline oxide. Good for thermal spalling abrasion and liquid metal penetration resistance.
- High melting point, high thermal conductivity and heat storage capacity.
- Good volume stability and low porosity

Applications:

- For the Iron and Steel industry as wear and permanent lining in open hearth and electric furnace
- Applicable for furnace used by the nonmetallic industry, buring zone for rotary cement kilns and shaft kiln for lime
- Applicable in furnace operated by nonferrous metal industry (Cu , Ni , Pb , Sn , Zn , Al)



LAVA (DALIAN) INTERNATIONAL TRADE CO.,LTD

No.155, Shandong Road,Dalian,China.116031 Tel/Fax: (86)0411-39563205 Web: www.lavadl.com

Physical & Chemical Properties

PHYSICAL PROPERTIES

Bulk Density	kg/m ³	2,950-3,000
Apparent Porosity	%	≤17
Cold crushing strength	MPa	≥60
Modulus of rupture	Kg/cm ²	≥130
Refractoriness under load 0.2MPa	°C	≥1700

CHEMICAL COMPOSITION:

Magnesia Oxide(MgO)	%	96.5-96.8
Silica(SiO ₂)	%	≤0.8
Iron Oxide(Fe ₂ O ₃)	%	0.7-1.0
Calcium Oxide(CaO)	%	≤1.10