



Luoyang Zhongsen Refractory Co., Limited

Yaowan Village, South Dukang Road, Yichuan County, Luoyang City, Henan Province, P.R. CHINA
TEL: 0086-379-69351288 WEB: www.zhongsen-refractory.com

Certificate of Analysis-Fused Mullite

General Information

Product : Fused Mullite
Country of Origin : China
Manufacturer of Material : Luoyang Zhongsen Refractory Co., Limited
Features : Low Impurity, Low Porosity, Volume Stability in high temperature, High Thermal Stability, Good Mechanical Strength, Low Linear Variation, Corrosion Resistant

Picture of Product:



Manufacturing Process & Applications

Fused Mullite is a light grey color fused mineral obtained from melting of high purity alumina and high quality quartz sand (silica) in proper ratio in large electric arc furnace. The raw materials of it and fusion process give it a unique needle shape mullite crystals, characterized by high melting point, chemical stability, low thermal conductivity and reversible thermal expansion, good thermal shock resistance, excellent mechanical strength and corrosion resistance. These physical and chemical characters make fused mullite an ideal mineral used in refractory industry and thermal resistant products.

- Linear Bricks in Glass and Steel Industries
 - Investment Casting Shell Building
 - Kiln Furnaces
 - Ladle Spark Plug Bodies
 - Refractory and Thermal Resistant Products
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Physical Specifications & Package

Main Content	: Al ₂ O ₃ , SiO ₂
Specific Gravity	: ≥ 3 g/cm ³
Color	: Grey/White
Melting Point	: 1850°C
Linear Expansion Coefficient(1/°C)	: -6.0×10^{-6}
Apparent Porosity	: 5-8
Sizes Available	: 0-1mm, 1-3mm, 3-5mm, 5-8mm, 100mesh, 200mesh, 325mesh
Package	: Jumbo Bag, 25kg Bag and 40 Bags on a Pallet

Particle Distribution & Chemical Content

We produce ANSI, JIS, FEPA standard materials and other customized sizes.

Al ₂ O ₃	70-77%
SiO ₂	22-30%
Fe ₂ O ₃	0.1%max for Grits, 0.3%max for Fines
Na ₂ O+K ₂ O	0.4%max
CaO+MgO	0.4%max