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Fused Mullite



PROCESS OF PRODUCTION

Fused Mullite is produced by Bayer process alumina and high purity quartz sand while fusing in super-large electric arc furnace.

It has a high content of needle-like mullite crystals which confer high melting point ,low reversible thermal expansion and excellent resistance to thermal shock ,deformation under load, and chemical corrosion at high temperature.



APPLICATION

It is widely used as raw materials for high grade refractories ,such as the lining bricks in glass kiln furnace and bricks used in hot wind furnace in steel industry .

It's also used in Ceramic kiln and petrochemisty industry and many other applications.

SPEC

| Items | | Unit | Index | Typical |
|--|------------------------------------|-------------------|------------------------|---------|
| Chemical composition | Al ₂ O ₃ | % | 70.00-77.00 | 73.90 |
| | SiO ₂ | % | 22.00-29.00 | 24.06 |
| | Fe ₂ O ₃ | % | 0.1 max(Fines 0.3%max) | 0.08 |
| | K ₂ O+Na ₂ O | % | 0.40max | 0.16 |
| | CaO+MgO | % | 0.4%max | 0.08 |
| Refractoriness | | °C | 1850min | |
| Bulk density | | g/cm ³ | 3.00min | 3.1 |
| Glass phase content | | % | 5max | |
| 3Al ₂ O ₃ ,2SiO ₂ Phase | | % | 95min | |