

SHANDONG TAIRAN IMPORT AND EXPORT CO.,LTD

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Graphite Mould



Graphite mould has small porosity, compact structure, high surface finish and strong oxidation resistance. The average service life can reach 30-40 times. It is suitable for continuous casting or semi continuous casting.

1. Graphite mold is widely used in continuous casting and semi contact casting of non-ferrous metals. Production practice has proved that due to its good thermal conductivity and self-lubricating performance, graphite mold not only improves the casting speed, but also has accurate size, smooth surface and uniform crystallization prevention. It can be directly processed in the next process, greatly improves the yield and greatly improves the product quality. It should be made of ultra-fine particle structure, high-purity and high graphitization graphite materials. The particle size should be less than 15um, even less than 10um, and the pore size should be less than 2um.

2,Product main performance parameters

- 1) Excellent thermal and electrical conductivity
- 2) Low coefficient of linear expansion
- 3) Good thermal stability and thermal shock resistance
- 4) Good chemical corrosion resistance
- 5) Good lubricity and wear resistance
- 6) It is easy to process into a mold with complex shape and high precision

3. Application of graphite mould

Casting of nonferrous metals

4.Performance parameters of graphite mould

| ITEM | UNIT | VALUE |
|-------------|--------------------|---------|
| C | % | >99.9 |
| Density | g/cm ³ | 1.8-1.9 |
| Resistivity | $\mu\Omega\cdot m$ | 8-10 |
| Ash | % | 0.005 |

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| | | |
|----------------------------------|----------------------------------|------|
| Compressive strength | Mpa | ≥100 |
| Flexural strength | Mpa | ≥60 |
| Shore hardness | | ≥64 |
| Coefficient of thermal expansion | 100-600°C,10 ⁽⁻⁶⁾ /°C | ≤4.8 |
| Thermal conductivity | W/m.k | 140 |

5,Good feedback of product use effect,the products have been exported to South Korea, Japan,Pakistan

6,We are a professional supplier, who can provide customers with free product technology, use and other issues

Do you want to find a professional supplier of Graphite mould?

Do you want to find a stable and credible supplier?

Then please contact with us

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