

SHANDONG TAIRAN IMPORT AND EXPORT CO.,LTD

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Graphite Chill



Graphite chill has a small proportion, about one-fifth of that of metal cold iron. Its refractoriness is as high as 2000 °C, high temperature resistance, not easy to oxidize, reusable and low cost. It is widely used in copper casting, cast steel and aluminum casting.

1,Description

- 1) The graphite chill can cool the inside and outside of the casting as soon as possible. The graphite chill has large thermal conductivity and absorbs more heat in a short time, so that the inside and outside of the casting can be cooled as soon as possible, which not only solves the problems of porosity and shrinkage of the casting, but also makes the metallographic structure of the casting more than 95% of fine flake pearlite, the number of eutectic reaches 450-550cm, and the hardness of the casting can be increased by 20-50HB. The surface finish and wear resistance of the casting are improved.
- 2) Graphite chill can be reused with low cost. In the process of use, the material surface is not easy to burn, oxidize and crack, and the service life is 5-10 times longer than that of cold iron of metal materials such as cast iron. If the surface is damaged, it can be reused after repair.
- 3) It is easy to operate and has a small specific gravity. As about one fifth of other metal cold irons, it is light to carry, and the sand mold (core) is not easy to fall when turning over the box.

2,Technical index

Item	Unit	Value
C	%	>99
Density	g/cm ³	1.6-1.9
Refractoriness	°C	2800
Thermal conductivity	Kj/m.h..°C	21
Resistivity	μ Ω •m	<9

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Compression strength	Mpa	≥ 24
Flexural strength	Mpa	≥ 14
Ash	%	≤ 0.5

3,Characteristics

- 1) High fire resistance, up to 2800 °C, not easy to be oxidized
- 2) The specific gravity is small, 1.6-1.9g/cm³
- 3) With high thermal conductivity, it can absorb heat quickly and cool the inside and outside of the casting at the same time
- 4) Long service life, 5-10 times that of cast iron and other cold iron materials
- 5) Low cost, reusable

4,Application area

Foundry industry

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 chill Product?

Do you want to find a stable and credible supplier?

Then please contact with us

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