

SHANDONG TAIRAN IMPORT AND EXPORT CO.,LTD

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Graphite Rotor



The surface of graphite rotor is treated with special oxidation resistance to purify aluminum solution. Its service life is about 3 times that of other products. It is widely used in aluminum alloy casting with a service life of up to 2 months

1. Product description

Its rotating nozzle is made of high-purity graphite. In addition to dispersing bubbles, the nozzle structure also uses the centrifugal force generated by stirring the aluminum alloy melt to make the melt enter the nozzle, and the gas ejected at the same level is evenly mixed to form gas / liquid flow ejection, so as to increase the contact area and time between bubbles and aluminum liquid and improve the purification effect. Its speed can be adjusted steplessly through frequency converter, up to 700R / min. the impeller shape is streamlined to reduce the resistance during rotation, and the friction and scouring force between the impeller and liquid aluminum is relatively small, so as to improve the degassing rate by more than 50% and shorten the smelting time

2. Characteristics of graphite rotor

- 1) Strong anti-oxidation ability, with special anti-oxidation treatment on the surface
- 2) High strength and high temperature resistance
- 3) Liquid aluminum resistant clothing
- 4) The service life is up to 2 months, about 3 times that of other products
- 5) Reasonable design, no pollution to molten aluminum and good purification effect

3. Application of graphite rotor

Stirring and purification of molten aluminum

4. Performance parameters

Item	Unit	Value
C	%	>99.5
Ash	%	0.01-0.2
Compressive strength	Mpa	35-80
Flexural strength	Mpa	15-50
Density	G/cm ³	1.75-1.85

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Resistivity	$\mu\Omega\cdot m$	9-13
Coefficient of thermal expansion	100-600°C, 10-6/°C	≤ 3.9
Thermal conductivity	W/m.k	85-130
Porosity	%	11-18

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 Rotor?

Do you want to find a stable and credible supplier?

Then please contact with us

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