

JindeRef
锦德耐火



铸造用高品质塞棒水口

High Quality Monoblock Stopper & Nozzle for Foundry

诸城市锦德耐火材料有限公司

Zhucheng Jinde Refractory Co., Ltd

黑色金属铸造用塞棒&水口

锦德专注于黑色金属铸造行业并推出应用于此行业使用的塞棒，水口，它们是以铝碳为基料，采用先进的冷等静压技术成型，主要用于灰铁和球墨铸铁，铸钢等。

锦德铸造用塞棒具有以下特点：

- 1.抗热冲击能力强,不开裂
 - 2.防氧化釉层有效抗氧化
 - 3.可提供吹氩版本
 - 4.可使用各种固定方式
 - 5.可重复多次使用,并可长时间使用
- ①连续生产线，塞棒使用寿命大概72-180小时
②间接性生产线，塞棒可重复多次使用，使用寿命大概150小时

理化指标

Al ₂ O ₃ %	C%	SiO ₂ %	体积密度 g/cm ³	显气孔率 %	抗折强度 Mpa
70	22	8	2.65	16.81	9.6

锦德铸造水口具有以下特点：

- 1.顶部采用优质的耐火材料，提高其抗侵蚀能力
- 2.过渡层以减少热膨胀
- 3.具有良好的抗热震性能

理化指标

Al ₂ O ₃ %	C%	体积密度 g/cm ³	显气孔率 %	抗折强度 Mpa
88	12	2.78	13.25	13.2

产品图片
Product picture

塞棒
Stopper



Monoblock Stopper(or Stopper Rod) & Nozzle for Ferrous foundry

Jinde has launched monoblock stopper(or Stopper Rod) and nozzle for ferrous foundry application. They are based on Al-C composition and shaped by advanced cold isostatic compaction technology, which are primarily used for gray and ductile iron casting and steel casting.

Jinde stopper rod has following features:

- 1.High thermal shock resistance
 - 2.Oxidation resistant glaze layer to prevent the material oxidation effectively.
 - 3.Argon blowing version is available
 - 4.Various fixed method
 - 5.Multi-time use and long service life
- ①For continuous line is about 72-180 hours.
②For discontinuous line, suppose they work 12hours per day, it can be used for over 150 hours.

Chemical & Physical Properties

Al ₂ O ₃ %	C%	SiO ₂ %	Bulk Density g/cm ³	Apparent Porosity %	Breaking Strength Mpa
70	22	8	2.65	16.81	9.6

Jinde Nozzle has following features:

- 1.High quality refractory material at the top for improved erosion resistance.
- 2.Transition layer to reduce thermal expansion.
- 3.A main layer with good thermal shock resistance.

Chemical & Physical Properties

Al ₂ O ₃ %	C%	Bulk Density g/cm ³	Apparent Porosity %	Breaking Strength Mpa
88	12	2.78	13.25	13.2





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