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Low Carbon Refractories For Ladle



1,Product main performance parameters

Item	Unit	Mouth	Slag line	Sidewall		Bottom		
Brand		TR-AMC	TR-MC	TRWC-1	TRWC-2	TRWC-AF	TRWC-F	TRWC-S
C	%	11	6	1.4	1.4	1.4	1.4	1.4
MgO	%	30	88	3	3	3	3	3
Al ₂ O ₃	%	46	-	85	87	85	87	82
Apparent porosity	%	5	3	7	9	7	9	12
B.D	g/cm ³	2.95	3.13	3.30	3.35	3.30	3.35	3.05
Cold crushing strength	Mpa	70	60	80	90	80	90	90
Hot modulus of rupture 1400*0.5h	Mpa	-	10	-	-	-	-	-

2 ,Product Description:

Product introduction: the low carbon magnesia carbon brick used for ladle slag line is made of high-grade fused magnesia, high purity flake graphite, and additives added. It is made by four-stage ingredients and environmental protection resin as binder through high pressure forming and drying. The product has good thermal shock stability, slag erosion resistance, erosion resistance, anti-oxidation performance and high safety reliability.

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The low carbon brick for ladle wall and bottom adopts innovative organic and inorganic composite binder and modified additive, which makes the product have the characteristics of high strength, low coefficient of thermal expansion, corrosion resistance, erosion resistance, spalling resistance, safety and reliability. By using in large ladle, it meets the requirements of molten steel purity for smelting low carbon steel, ultra-low carbon steel and other steel grades, and improves the service life at the same time.

3.Product molding: the product is made by pressing brick machine of more than 1000 tons and baking at $300^{\circ}\text{C} \pm 20$

4.Main features of the product

1) The bonding agent of the product is environmental friendly resin, instead of traditional phenolic resin, $300^{\circ}\text{C} \pm 20$ high temperature baking, no formaldehyde, phenol harmful gas release, greatly improve the environment. At the same time, the density and strength of the products are also higher than those of traditional products, which are deeply liked by users.

2) The product has good compactness, high density and high strength

3) The product has good corrosion resistance and slag resistance

4) The product has good erosion resistance and spalling resistance

5.Application: the product meets the requirements of producing low carbon steel and ultra-low steel

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

7,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 Low Carbon Refractories For Ladle?

Do you want to find a stable and credible supplier?

Then please contact with us

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