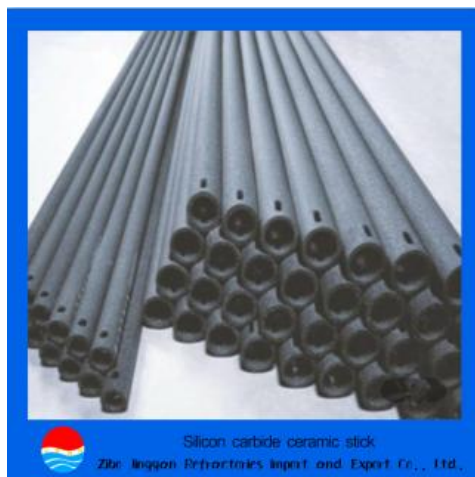


# ZIBO JINGGAN REFRACTORY IMPORT AND EXPORT CO.,LTD

Address:NO. 3, Yanhe Road, Boshan, Zibo, Shandong, China  
Email:wp@cnjingganrefractory.com/sdwenping@163.com  
Contact:Rose Tel/Wechat:+86-13275332819  
Tel:86-533-4188518 Fax:86-533-4188518

## Silicon Carbide Ceramic Roller



**1. Introduction:** Silicon Carbide Ceramic Roller is made of green silicon carbide micropowder, graphite powder, binder as the main material, extruded, press formed, and sintered by infiltrating silicon metal at 1700 °C. Due to the unique formula and process, the product is 3-5 times better than the alumina stick in terms of thermal shock resistance stability and high temperature load resistance, and its service life is more than 10 times of that of alumina stick. When it is used in the high temperature firing belt of roller kiln, the high temperature bearing capacity of the product is large, and it will not bend or deform in long-term use

### 2, Product performance parameters

ITEM	UNIT	TECHNCIAL INDEX
Working temperature	℃	1380
Density	g/cm <sup>3</sup>	≥3.02
Porosity	%	<0.1
Flexural strength	Mpa	20℃ 250 1200℃ 280
Modulus of elasticity	Gpa	20℃ 330 1200℃ 300
Thermal conductivity	w/m.k	1200℃ 45
Coefficient of thermal expansion	10 <sup>-6</sup> /℃	4.5
Mohs hardness	HM	13

### 3, Characteristics

- 1) High strength, bending strength 1200 °C ≥ 280mpa
- 2) High hardness, Mohs hardness up to 13
- 3) High wear resistance, corrosion resistance

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**4) Good oxidation resistance and thermal shock resistance**

**5) Compared with recrystallized silicon carbide products, the bending strength is more than 2 times higher, and 50% higher than that of silicon nitride bonded silicon carbide products**

**4. Application: roller kiln and lithium electric furnace of ceramic factory, ceramic tile factory**

**5. Packing: special wooden case for export**

6,Good feedback of product use effect,the products have been exported to South Korea, Russia,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 refractory products?

Do you want to find a professional supplier of graphite electrodes?

Do you want to find a stable and credible supplier?

Then let's contact with jinggan company

**Contact me:**

**Email:**wp@cnjingganrefractory.com/sdwenping@163.com

**TEL:** 86-0533-4188518 / **FAX:** 86-0533-4188518

**Rose:**+86-13275332819(wechat/whatsapp number)