## ■ Introduction of reaction bonded silicon carbide ceamic roller:

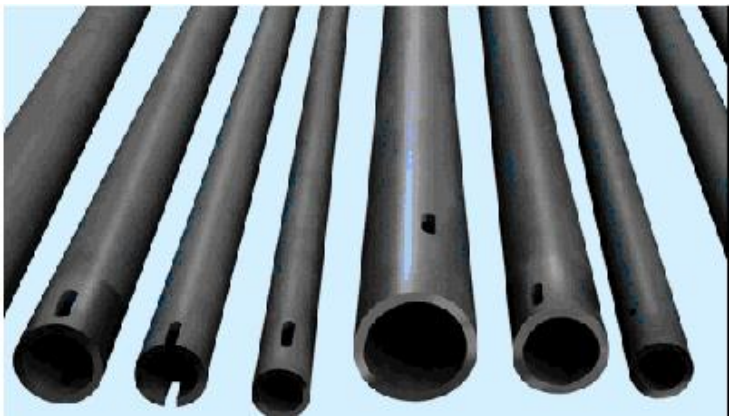
The reaction bonded silicon carbide ceamic roller is an ideal accessory for roller kilns. The RBSIC ceramic roller has very high strength, good oxidation resistance, and long-term high-temperature use without deformation. The RBSIC lithium battery ceramic roller can withstand high temperatures of 1380 degrees Celsius and has strong high-temperature bearing capacity, making silicon carbide roller suitable for assembly in high-temperature roller kilns.

## ■ Technical data sheet of silicon carbide roller :

| Item | Unit | Data |
|---|---|---|
| Temperature of application | ℃ | 1380℃ |
| Density | G/cm3 | ＞3.02 |
| Open porosity | % | ＜0.1 |
| Bending strength | Mpa | 250 (20℃) |
| | MPa | 280 (1200℃ ) |
| Modulus of elasticity | GPa | 330 (20℃) |
| | GPa | 300 ( 1200℃ ) |
| Thermal conductivity | W/m.k | 45 (1200℃ ) |
| Coefficient of thermal expansion | K-1 ×10-6 | 4.5 |
| Rigidity | | 13 |
| Acid-proof alkaline | | excellent |

## ■ Advantages of RBSIC ceramic roller:

(1)RBSIC ceramic roller is simple to maintenance, has high high-temperature bearing capacity.
(2)Silicon carbide roller has high hardness and very high strength.
(3)Reaction bonded silicon carbide ceamic roller has excellent mechanical properties, can withstand high temperatures, and can withstand high temperatures up to 1380℃.
(4)The SiSiC roller has excellent corrosion resistance, which can resist the corrosion from the acid and alkali.



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