

## China-Yixing Longly Refractories Tube SiC

Category : Ceramic , Carbide

**Material Notes:**

SiC tube made by our company have lots of superior performance, such as high refractoriness, good wear and corrosion resistance, hardness, strength, thermal conductivity, thermal shock stability, as well as good oxidation resistance. Inside diameter and outside diameter size can be based on the need for users to design process. Applications: Widely used in a variety of heat treatment furnace, metallurgical sintering furnace, as well as IF forging furnace, smelting of nonferrous metals and chemical industries. Information Provided by China Yixing Longly Refractories Co. Ltd

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_China-Yixing-Longly-Refractories-Tube-SiC.php](http://www.lookpolymers.com/polymer_China-Yixing-Longly-Refractories-Tube-SiC.php)

Physical Properties	Metric	English	Comments
Bulk Density	2.55 - 2.70 g/cc	0.0921 - 0.0975 lb/in <sup>3</sup>	
Porosity	<= 20 %	<= 20 %	Apparent

Mechanical Properties	Metric	English	Comments
Flexural Strength	>= 450 MPa	>= 65300 psi	cold bending
	>= 480 MPa	>= 69600 psi	high temp bending
Compressive Strength	>= 430 MPa	>= 62400 psi	Ambient

Thermal Properties	Metric	English	Comments
CTE, linear	3.00 $\mu\text{m}/\text{m}\cdot^{\circ}\text{C}$	1.67 $\mu\text{in}/\text{in}\cdot^{\circ}\text{F}$	Volumetric thermal expansion
Thermal Conductivity	18.5 - 20.2 W/m-K	128 - 140 BTU-in/hr-ft <sup>2</sup> - $^{\circ}\text{F}$	
Maximum Service Temperature, Air	>= 1450 $^{\circ}\text{C}$	>= 2640 $^{\circ}\text{F}$	

Component Elements Properties	Metric	English	Comments
SiC	80 - 85 %	80 - 85 %	

Descriptive Properties	Value	Comments
Refractoriness ( $^{\circ}\text{C}$ )	>1400	Under load temperature, 0.2 MPa, 0.6%

## Contact Songhan Plastic Technology Co.,Ltd.

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