

Silicon Carbide Sic Thermal Heating Elements For Electric Furnace

Item Number: KT-SH



Introduction

High-performance SiC heating elements for labs, offering 600-1600°C precision, energy efficiency, and long lifespan. Customizable solutions available.

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OD	HZ	CZ	OL	Resistance
8mm	100-300mm	60-200mm	240-700mm	2.1-8.6 ohms
12mm	100-400mm	100-350mm	300-1100mm	0.8-5.8 ohms
14mm	100-500mm	150-350mm	400-1200	0.7-5.6 ohms
16mm	200-600mm	200-350mm	600-1300	0.7-4.4 ohms
18mm	200-800mm	200-400mm	600-1600	0.7-5.8 ohms
20mm	200-800mm	250-600mm	700-2000mm	0.6-6.0 ohms
25mm	200-1200mm	250-700mm	700-2600mm	0.4-5.0 ohms
30mm	300-2000mm	250-800mm	800-3600mm	0.4-4.0 ohms
35mm	400-2000mm	250-800mm	900-3600mm	0.5-3.6 ohms
40mm	500-2700mm	250-800mm	1000-4300mm	0.5-3.4 ohms
45mm	500-3000mm	250-750mm	1000-4500mm	0.3-3.0 ohms
50mm	600-2500mm	300-750mm	1200-4000mm	0.3-2.5 ohms
54mm	600-2500mm	300-750mm	1200-4000mm	0.3-3.0 ohms

Bulk Density	2.5g/cm ³
Porosity	23%
Thermal Conductivity	14-19W/m·K (at 1000°C)
Rupture Strength	50MPa (at 25°C)
Specific Heat	1.0kJ/kg·K (at 25~1300°C)
Coefficient Of Thermal Expansion	4.5 × 10 ⁻⁶ /K