



KINTEK SOLUTION

## Thermal Elements Catalog

Contact us for more catalogs of [Sample Preparation](#), [Thermal Equipment](#), [Lab Consumables & Materials](#), [Bio-Chem Equipment](#), etc...

# KINTEK SOLUTION

## COMPANY PROFILE

### >>> About Us

Kintek Solution Ltd is one technology orientated organization, team members are devoted to probing the most efficient and reliable technology and innovations in the scientific researching equipment, fields like biochemical reacting, new materials researching, heat treatment, vacuum creating, refrigerating, as well as pharmaceutical and petroleum extracting equipment.

In the past 20 years, we earned rich experiences in this researching equipment field, we are capable to supply both the equipment and solution according to customer's needs and realities, we have also developed lots of customer tailored equipment according to a specific working purpose, and we have lots of successful projects in many universities and institutes from different countries, like Asia, Europe, North and South America, Australia and New Zealand, Middle East, and Africa.

Profession, quick response, hard working, and sincerity is a remarkable label of our team members working attitude, which earn us a sound reputation among our clients.

We are here and ready to service our clients from different countries and regions, and share the most efficient and reliable technology together!



# Molybdenum Disilicide (Mosi2) Heating Element

Item Number: KT-MH



## Introduction

Discover the power of Molybdenum Disilicide (MoSi2) Heating Element for high-temperature resistance. Unique oxidation resistance with stable resistance value. Learn more about its benefits now!

[Learn More](#)

Physical Properties-g/cm <sup>3</sup>	Bending Strength-MPa	Hardness -GPa	Compression Strength-MPa	Water Absorption-%	Heated Elongation-%
6.0±0.1	500	12	≥1500	≤0.2%	4
Atmosphere	T1700	T1800	T1850	T1900	
Air	1700	1800	1830	1850	
N <sub>2</sub> Nitrogen	1600	1700	1700	1700	
Ar Ne Argon, Helium	1600	1700	1700	1700	
Dry Hydrogen (dew point)-80°C	1150	1150	1150	1150	
Wet Hydrogen (dew point)-20°C	1450	1450	1450	1450	
Exogas(e.g. 10% CO <sub>2</sub> , 50% CO, 15%H <sub>2</sub> )	1600	1700	1700	1700	
Exogas(e.g. 40% CO <sub>2</sub> , 20% CO)	1400	1450	1450	1450	
Cracked and partially burnt ammonia	1400	1450	1450	1450	
D1	D2	Le	Lu	A	
3mm	6mm	80-300mm	80-500mm	25mm	
4mm	9mm	80-350mm	80-500mm	25mm	
6mm	12mm	80-800mm	80-1000mm	25-60mm	
7mm	12mm	80-800mm	80-1000mm	25-60mm	
9mm	18mm	100-1200mm	100-2500mm	40-80mm	
12mm	24mm	100-1500mm	100-1500mm	40-100mm	

# Silicon Carbide(Sic) Heating Element

Item Number: KT-SH



## Introduction

Experience the advantages of Silicon Carbide (SiC) Heating Element: Long service life, high corrosion and oxidation resistance, fast heating speed, and easy maintenance. Learn more now!

[Learn More](#)

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

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

## Electron Beam Evaporation Coating / Gold Plating / Tungsten Crucible / Molybdenum Crucible

Item Number: KMS05



### Introduction

These crucibles act as containers for the gold material evaporated by the electron evaporation beam while precisely directing the electron beam for precise deposition.

[Learn More](#)

Molybdenum outer diameter & High	28*13.2mm	35*17mm	40*20mm	42*20mm	45*22mm	50*25mm
Tungsten outer diameter & High	28*13mm	35*17mm	40*19mm	42*20mm	45*22mm	50*25mm

# Electron Beam Evaporation Coating Oxygen-Free Copper Crucible

Item Number: KMS06



## Introduction

Electron Beam Evaporation Coating Oxygen-Free Copper Crucible enables precise co-deposition of various materials. Its controlled temperature and water-cooled design ensure pure and efficient thin film deposition.

[Learn More](#)

Outer diameter & High	35*17mm	40*17mm	45*22mm	50*25mm
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## Kintek Solution

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Zhengzhou, China

