

# Molybdenum Disilicide (Mosi2) Thermal Elements Electric Furnace 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!

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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	