

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!

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| Physical Properties-g/cm ³ | 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 ₂ 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 ₂ , 50% CO, 15%H ₂) | 1600 | 1700 | 1700 | 1700 | |
| Exogas(e.g. 40% CO ₂ , 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 | |