



# Impex Trading Company

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WHOLESALE DISTRIBUTORS OF  
INDUSTRIAL ELECTRICAL  
COMPONENTS AND RAW MATERIALS

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## SUNGLO ELECTRICAL GRADE MAGNESIUM OXIDE

Type: TTHA

### Characteristics:

TTHA is a high temperature powder with light silicone or no silicone treatment, mainly used in air heating elements of medium or high wattage loading. It can stand 1050 °C annealing and requires immediate sealing.

### Chemical analysis (%):

MgO	CaO	Al <sub>2</sub> O <sub>3</sub>	Fe <sub>2</sub> O <sub>3</sub>	SiO <sub>2</sub>
≥94.0	≤1.5	≤0.9	≤0.7	≤2.5

### Particle distribution:

Mesh	+40	+60	+80	+140	+200	+325	-325
Dia (um)	+425	+250	+180	+106	+75	+45	-45
Quantity (%)	0	24±6	26±6	26±6	12±3	11±3	5±3

### Tap density:

2.4 ± 0.04g/cm<sup>3</sup>

### Flow:

Ford cup no.3 (φ 2.165mm - 2.185mm): 180 ± 20 s/100g

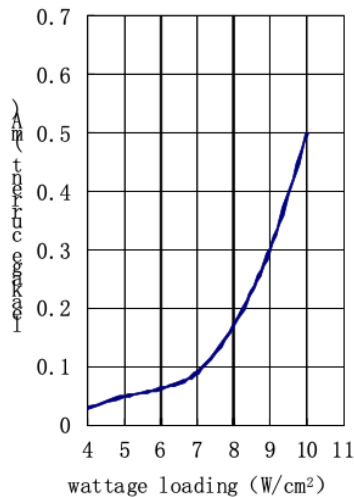
Ford cup no.4 (φ 3.97mm - 4.01mm): 34 ± 3 s/100g

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Other grades are available for High Temperature, Medium Temperature and Low Temperature applications. MgO Cements, Sticks, Resistance Wires, SS Tubes, Incoloy Tubes, Silica

Tubes, Thermostats, Timers, Indicators, Heat Regulators, etc are also available with us.

## Electrical property of TTHA:



## Testing condition:

Tube ..... Incoloy 840  
Reduction .....  $\phi$  8.0mm  $\rightarrow$   $\phi$  6.6mm  
Wire ..... Ni80Cr20,  $\phi$  0.3mm  
Helix .....  $\phi$  2.2mm  
Heated length ..... 44.5cm-46.5cm  
Energized period ..... 15 minutes

Remark: For users' reference, the chart here shows typical values of performance by this type of powder.

## Packing

20kg and 25kg in a drum. Special packing is available on requirement.

## Security and storage

Electrical grade magnesium oxide is a non-toxic product, but with some dust. Masks and gloves are proposed to use during operation.

Electrical grade magnesium oxide powders are hygroscopic in nature and should be stored in dry places and are recommended to be used out within 3 months after delivery.

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