



Impex Trading Company

IMPORTERS, INDENTING AGENTS,
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WHOLESALE DISTRIBUTORS OF
INDUSTRIAL ELECTRICAL
COMPONENTS AND RAW MATERIALS

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SUNGLO ELECTRICAL GRADE MAGNESIUM OXIDE

Type: HTA

Characteristics:

HTA is a high temperature powder with light 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 ₂ O ₃	Fe ₂ O ₃	SiO ₂
≥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:

2.38 ± 0.04g/cm³

Flow:

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

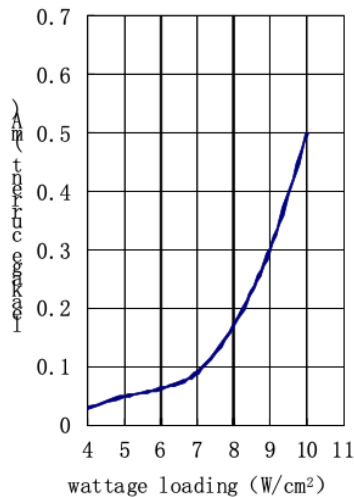
Ford cup no.4 (φ 3.97mm - 4.01mm): 34±3 s/100g

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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 HTA:



Testing condition:

Tube Incoloy 840
Reduction ϕ 8.0mm \rightarrow ϕ 6.6mm
Wire Ni80Cr20, ϕ 0.3mm
Helix ϕ 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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