



Impex Trading Company

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

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SUNGLO ELECTRICAL GRADE MAGNESIUM OXIDE

Type: LTWB

Characteristics:

LTWB is a low temperature powder with heavy silicon treatment, mainly used in low quality elements of low wattage loading or liquid heating elements. Elements stuffed with this material do not require annealing or sealing but with perfect moisture proof performance.

Chemical analysis (%):

MgO	CaO	Al ₂ O ₃	Fe ₂ O ₃	SiO ₂
≥94.0	≤2.5	≤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:

$2.32 \pm 0.04 \text{g/cm}^3$

Flow:

Ford cup no.3 (φ 2.165mm - 2.185mm): $190 \pm 20 \text{ s/100g}$

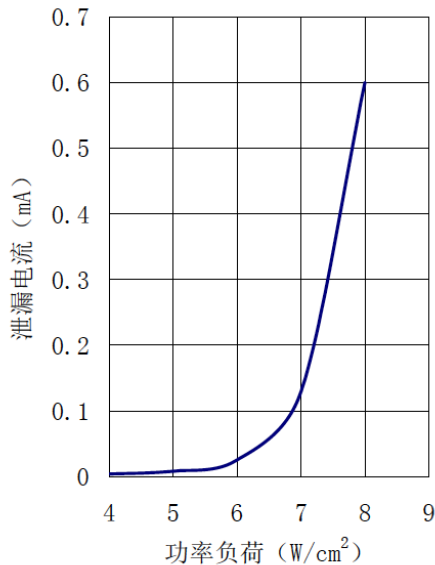
Ford cup no.4 (φ 3.97mm - 4.01mm): $36 \pm 3 \text{ s/100g}$

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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 LTWB:



Testing condition:

Tube Copper coated iron
Reduction ϕ 8.0mm \rightarrow ϕ 6.6mm
Wire 0Cr25A15, ϕ 0.3mm
Helix ϕ 2.2mm
Heated length 31cm-32cm
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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