



Impex Trading Company

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

274/276, Chitalia House,
2nd floor, Dr. C. H. Street,
Near Princess Street,
Mumbai - 400 002.
Maharashtra. INDIA.

Tel: (+91 22) 22066015 / 22067611
WhatsApp Message: +91-9820095155
Email1: info@impextradingcompany.com
Email2: ketan@impextradingcompany.com
URL: www.impextradingcompany.net

SUNGLO ELECTRICAL GRADE MAGNESIUM OXIDE

Type: LTWA

Characteristics:

LTWA is a modified medium-low temperature powder, mainly used in high quality elements of low wattage loading or liquid heating elements. Elements filled with this material do not require annealing or sealing since the light silicon treatment imparts perfect moisture proof performance. This grade is also available without any Silicon treatment.

Chemical analysis (%):

MgO	CaO	Al ₂ O ₃	Fe ₂ O ₃	SiO ₂
96.0±2.0	1.0±0.5	0.5±0.4	0.3±0.2	1.5±1.0

Particle distribution:

Mesh	40	60	80	140	200	325	-325
Dia (um)	425	250	180	106	75	45	-45
Quantity (%)	0-1	28-38	15-25	22-32	7-13	4-10	1-8

Tap density:

2.28 – 2.37g/cm³

Flow:

Ford cup no.3 (φ 2.165mm - 2.185mm): 180 - 220 s/100g

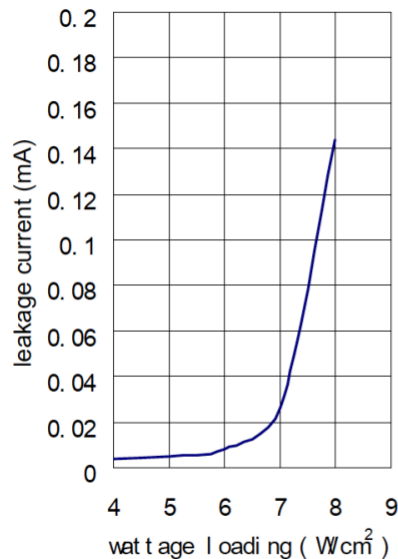
Ford cup no.4 (φ 3.97mm - 4.01mm): 34 - 40 s/100g

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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 LTWA:



Testing condition:

Tube Copper coated iron
Reduction ϕ 8.0mm \rightarrow ϕ 6.6mm
Wire 0Cr25Al5, ϕ 0.3mm
Helix ϕ 2.2mm
Heated length 31cm-32cm
Energized period 15 minutes

Remark: For users' reference, the chart here

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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