

Electrical Grade Magnesium Oxide LTM

Characteristics

LTM is a low temperature powder with heavy silicone 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 <sub>2</sub> O <sub>3</sub>	Fe <sub>2</sub> O <sub>3</sub>	SiO <sub>2</sub>
≥93.0	≤2.5	≤0.9	≤0.8	≤2.5

Particle Distribution

Mesh	+40	+60	+80	+140	+200	+325	-325
Dia ( um )	+425	+250	+180	+106	+75	+45	-45
Quantity(%)	0-1	26-38	16-24	18-28	6-14	8-14	0-8

Tap Density

2.26-2.36g/cm<sup>3</sup>

Flow

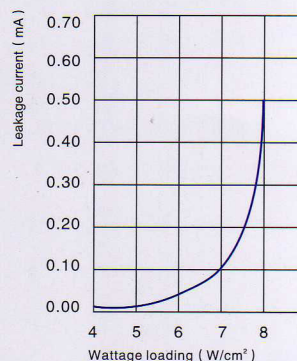
Ford Cup No.3 ( φ2.165mm-2.185mm ) : 160-240s/100g  
 Ford Cup No.4 ( φ 3.97mm-4.01mm ) : 34-40s/100g

Electrical Property

Testing condition

- Tube ..... Copper coated iron
- Reduction ..... φ8.0mm → φ6.6mm
- Wire ..... 0Cr25Al5, φ0.30mm
- Helix ..... φ2.3mm
- Heated length ..... 30.0cm—32.0cm
- Energized period ..... 15mins

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



Packing

25 kg in a plastic woven bag. Special packing is available on requirement.

Security and Storage

Electrical Grade Magnesium Oxide is non – toxic , but with some dust. Masks and gloves are proposed to use during operation.  
 Electrical Grade Magnesium Oxide should be stored in dry places , and are suggested to be used out within 12 months after delivery.