

Characteristics

MLTM-1 is a medium-low temperature powder with heavy silicone treatment, suitable for elements with a heated length of no longer than 50cm. Elements stuffed with this material are proposed to be annealed at 420°C for 15minutes.

Chemical Analysis(%)

MgO	CaO	Al ₂ O ₃	Fe ₂ O ₃	SiO ₂
≥94.0	≤1.5	≤0.9	≤0.7	≤3.5

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

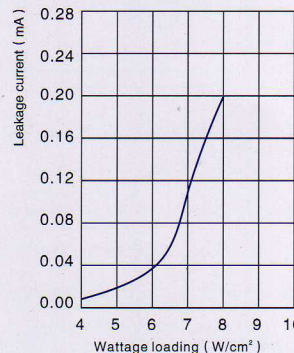
2.28-2.38g/cm³

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 SUS304
 Reduction φ8.0mm → φ6.6mm
 Wire Ni80Cr20, φ0.35mm
 Helix φ2.3mm
 Heated length 43.0cm-45.0cm
 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.