

Characteristics

HTM 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	≤0.5	≤2.5

Particle Distribution

Mesh	+40	+60	+80	+140	+200	+325	-325
Dia (um)	+425	+250	+180	+106	+75	+45	-45
Quantity(%)	0-1	26-34	16-28	18-28	6-14	8-14	0-8

Tap Density

2.28-2.40g/cm³

Flow

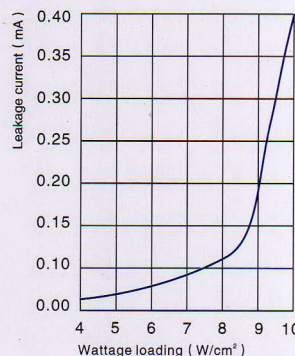
Ford Cup No.3 (φ2.165mm-2.185mm) : 140-200s/100g
 Ford Cup No.4 (φ 3.97mm-4.01mm) : 31-37s/100g

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

25kg in a carton. 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.