

Electrical Grade Magnesium Oxide MTM

Characteristics

MTM is a medium temperature powder with light silicone treatment . Mainly used in air heating elements of medium wattage loading. 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 | ≤0.5 | ≤2.5 |

Particle Distribution

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

Tap Density

2.30-2.40g/cm³

Flow

Ford Cup No.3 (Φ2.165mm-2.185mm) : 150-220s/100g

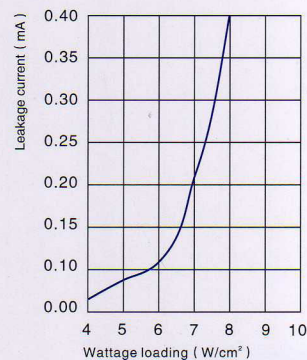
Ford Cup No.4 (Φ 3.97mm-4.01mm) : 32-38s/100g

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.