



电工级氧化镁粉

MGO POWDER FOR HEATING ELEMENTS



高温粉

TEG-1

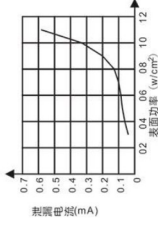
• 化学成分 (%)

名称	MgO	CaO	Fe ₂ O ₃	SiO ₂	Al ₂ O ₃
标准值	≥96	≤1.0	≤0.5	≤2.0	≤0.5

• 物理指标

流率 (F.R)		密度 (ASTM标准)				
120±10 S/100g		2.27--2.35 g/cm ³				
粒度分布 (%)						
目数	+40	+60	+80	+140	+200	+325
筛孔尺寸 (mm)	0.425	0.25	0.18	0.106	0.075	0.045
标准值	≤0.5	25±5	25±5	25±5	15±5	10±5
						≤5

• 电性能



检测样品：
材料-SUS304
细管：φ8.0mm-6.6mm
长度780mm
电热丝：Ni80Cr20, φ0.3mm
加热时间：15分钟

• 包装

25KG低值或试购纸袋包装，也可根据客户要求包装。

• 使用及存放说明

- ① TEG-1是一款高温粉。
- ② 该粉中不添加硅油或添加很少量硅油。
- ③ 电工级氧化镁粉是无毒无害的，但是含有一定粉尘，建议在使用的时候，操作人员佩戴口罩和手套。
- ④ 主要用于 ≤ 10w/cm² 在空气中干燥加热元件。
- ⑤ 加热元件需要 1050°C ± 50°C，过炉 15 分钟-30 分钟，而且过炉后需要尽快封口，防止二次吸潮。
- ⑥ 电工级氧化镁应存放在干燥阳光不能直射的位置，建议在交货后 6 个月内使用。

TOPE INTL CO., LIMITED

High Temperature MgO

TEG-1

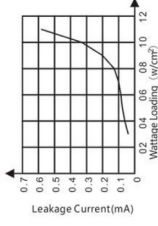
• Chemical Analysis (%)

Name	MgO	CaO	Fe ₂ O ₃	SiO ₂	Al ₂ O ₃
value	≥96	≤1.0	≤0.5	≤2.0	≤0.5

• Physical Analysis

Flow Rate (F.R)		Tap Density				
120±10 S/100g		2.27--2.35 g/cm ³				
Sieve Analysis (%)						
Sieve size(mesh)	+40	+60	+80	+140	+200	+325
Sieve size(mm)	0.425	0.25	0.18	0.106	0.075	0.045
value	≤0.5	25±5	25±5	25±5	15±5	10±5
						≤5

• Electrical Property



Sample Electrical heating elements
Materials: SUS 304 tube
Rolling: φ8.0mm-6.6mm
Length: 780mm
Spiral: Ni80Cr20, φ0.3mm
Heating time: 15min

• Packing

25KG in a plastic bag with a carton or a woven bag. Special Packing is available on requirement.

• Remarks

- ① TEG-1 is high temperature powder.
- ② This kind of powder is treated without silicone oil or treated with pretty light silicone oil.
- ③ Electrical Grade Magnesium Oxide is non-toxic, but with some dust Anti-dust respirator and gloves are proposed to use during operation.
- ④ Mainly used in air heating elements with wattage loading less than 10w/cm².
- ⑤ The elements can stand 1050°C ± 50°C annealing for 15-30minutes and requires immediate sealing.
- ⑥ Electrical Grade Magnesium Oxide should be stored in dry places, and are suggested to be used out within 6 months after delivery.

记录: