

P
21/22

电工级氧化镁粉

MGO POWDER FOR HEATING ELEMENTS



中温粉

TEZ - 1

Medium Temperature MgO

TEZ - 1

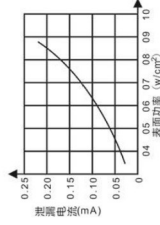
• 化学成分 (%)

名称	MgO	CaO	Fe ₂ O ₃	SiO ₂	Al ₂ O ₃
标准值	≥95	≤2.0	≤0.6	≤2.5	≤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
						≤6

• 电性能



检测样品：
材料-SUS304
细管-ø8.0mm~6.6mm
长度-420mm
电热丝- Ni80Cr20,ø0.3mm
加热时间:15分钟

• 包装

25KG纸箱或吨袋包装，也可根据客户要求包装。

• 使用及存放说明

- TEZ-1属一般中温粉。
- 该粉中不添加硅油或添加极少量硅油。
- 电工级氧化镁粉属无毒无害的，但总会有一定粉尘，建议在使用的时候，操作人员佩戴口罩和手套。
- 主要用于≤8W/cm²液体加热元件。
- 加热元件可以用于1050℃±50℃，过炉15~30分钟或其它温度退火处理，而且过炉后需要尽快封口，防止二次吸潮。
- 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

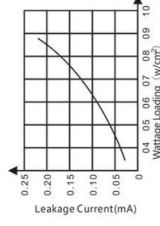
• Chemical Analysis (%)

Name	MgO	CaO	Fe ₂ O ₃	SiO ₂	Al ₂ O ₃
value	≥95	≤2.0	≤0.6	≤2.5	≤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
						≤6

• Electrical Property



Sample Electrical heating elements
Materials: SUS 304 tube
Rolling: ø8.0mm~6.6mm
Length: 420mm
Spiral: Ni80Cr20, ø0.3mm
Heating time: 15min

• Packing

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

• Remarks

- TEZ-1 is medium temperature powder.
- This kind of powder is treated without silicone oil or treated with pretty light silicone oil.
- Electrical Grade Magnesium Oxide is non-toxic, but with some dust. Anti-dust respirator and gloves are proposed to use during operation.
- Mainly used in liquid heating elements with wattage loading less than 8W/cm².
- The elements can stand 1050℃±50℃ annealing for 15-30minutes or high frequency machine annealing but requires immediate sealing.
- Electrical Grade Magnesium Oxide should be stored in dry places, and are suggested to be used out within 6 months after delivery.

记录: