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电工级氧化镁粉 MGO POWDER FOR HEATING ELEMENTS



高温粉

TEG - C

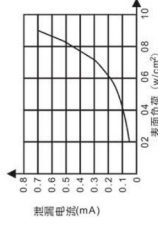
• 化学成分 (%)

名称	MgO	CaO	Fe ₂ O ₃	SiO ₂	Al ₂ O ₃
标准值	≥94.5	≤2.0	≤0.7	≤0.5	≤0.5

• 物理指标

流率 (F.R)		密度 (ASTM标准)					
120±10 S/100g		2.28--2.35 g/cm ³					
粒度分布 (%)							
目数	+40	+60	+80	+140	+200	+325	-325
筛孔尺寸 (mm)	0.425	0.25	0.18	0.106	0.075	0.045	-0.045
标准值	≤1.0	25±5	20±5	20±5	15±5	10±5	3±2

• 电性能



检测样品：
材料-SUS304
钢管：Φ8.0mm-6.6mm
长度：780mm
电热丝：Ni80Cr20, Φ0.3mm
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

- TEG-C是一种原料经过二次高温处理的高温粉，具有耐高温，耐干烧，低吸水率特性。
- 该粉中不添加硅油或添加少量硅油。
- 电工级氧化镁粉是粉末状的，但总会有一定粉尘，建议在使用的时候，操作工人佩戴口罩和手套。
- 加热元件需要1050°C±50°C以15-30分钟高温目过冷后需要封口。
- 电工级氧化镁应放在干燥阴凉不能直射的位置，建议在交货后6个月内使用。

High Temperature MgO

TEG - C

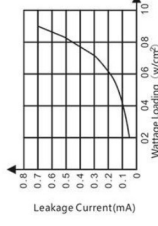
• Chemical Analysis (%)

Name value	MgO	CaO	Fe ₂ O ₃	SiO ₂	Al ₂ O ₃
	≥94.5	≤2.0	≤0.7	≤0.5	≤0.5

• Physical Analysis

Flow Rate (F.R)		Tap Density					
120±10 S/100g		2.28--2.35 g/cm ³					
Sieve Analysis (%)							
Sieve size(mesh)	+40	+60	+80	+140	+200	+325	-325
Sieve size(mm)	0.425	0.25	0.18	0.106	0.075	0.045	-0.045
value	≤1.0	25±5	20±5	20±5	15±5	10±5	3±2

• Electrical Property



Sample Electrical heating elements
Materials-SUS304 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

- TEG-C is a kind of high temperature powder MgO materials be treated 1200°C by the high furnace.
- 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 air heating elements with wattage loading less than 8W/cm².
- The elements can stand 1050°C±50°C annealing for 15-30minutes and requires 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: