



电工级氧化镁粉

MGO POWDER FOR HEATING ELEMENTS



铝管粉 TED-3AL

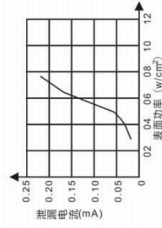
● 化学成分 (%)

名称	MgO	CaO	Fe ₂ O ₃	SiO ₂	Al ₂ O ₃
标准值	≥94	≤2.0	≤0.7	≤3.5	≤0.6

● 物理指标

流率 (F.R)		密度 (ASTM标准)				
≤210 S/100g		2.28--2.34 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	≤3	30±5	20±5	20±5	10±5	≤9

● 电性能



检测样品：
材料:SUS 304
管管: Ø8.0mm-6.8mm
长度:420mm
电热丝: OC-25ALS, Ø0.3mm
加热时间:15分钟

● 包装

25KG编织袋包装, 也可根据客户要求包装。

● 使用及存放说明

- ① TED-3AL是一种铝管氧化镁粉
- ② 经过脱油处理, 具有防潮性能。
- ③ 电工级氧化镁粉粉末无毒无害的, 但是会有一定粉尘, 建议在使用的时候, 操作人员佩戴口罩和手套。
- ④ 主要用于≤6W/cm²液体加热元件。
- ⑤ 电热元件建议250℃排潮, 排潮时间根据管子长短而定。
- ⑥ 电工级氧化镁粉应存放在干燥、阳光不能直射的位置, 建议在交货后6个月内使用。

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MgO TED-3AL

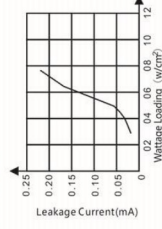
● Chemical Analysis (%)

Name	MgO	CaO	Fe ₂ O ₃	SiO ₂	Al ₂ O ₃
value	≥94	≤2.0	≤0.7	≤3.5	≤0.6

● Physical Analysis

Flow Rate (F.R)		Tap Density				
≤210 S/100g		2.28--2.34g/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	≤3	30±5	20±5	20±5	10±5	≤9

● Electrical Property



Sample Electrical heating elements
Materials: SUS 304 tube
Rolling: Ø8.0mm-6.8mm
Length:420mm
Spiral: OC25ALS,Ø0.3mm
Heating time: 15min

● Packing

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

● Remarks

- ① TED-3AL is MgO powder for Aluminum tubes
- ② This kind of powder is treated with heavy 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 liquid heating elements with wattage loading less than ≤6W/cm².
- ⑤ Elements stuffed with this material are proposed to be annealed at 250°C, and don't require sealing.
- ⑥ Electrical Grade Magnesium Oxide should be stored in places, and are suggested to be used out withing 6months after delivery.

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