

# P31/32

## 电工级氧化镁粉 MGO POWDER FOR HEATING ELEMENTS



### 低温粉 TED-1

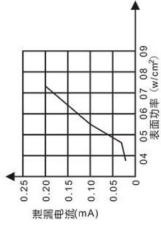
#### • 化学成分 (%)

名称	MgO	CaO	Fe <sub>2</sub> O <sub>3</sub>	SiO <sub>2</sub>	Al <sub>2</sub> O <sub>3</sub>
标准值	≥94	≤2.0	≤0.7	≤3.5	≤0.5

#### • 物理指标

流率 (F.R)		密度 (ASTM标准)				
120±10 S/100g		2.20-2.30 g/cm <sup>3</sup>				
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	≤5	30±5	20±5	20±5	15±5	10±5
						≤7

#### • 电性能



检测样品：  
材料：碳钨铁管  
规格：Φ8.0mm-6.6mm  
长度：350mm  
电热丝：OC25A15, Φ0.3mm  
加热时间：15分钟

#### • 包装

25KG低箱或编织袋包装，可根据客户要求包装。

#### • 使用及存放说明

- ① TED-1是一款低温粉。
- ②该粉中不添加硅油或添加少量硅油。
- ③电工级氧化镁是无毒无害的，但是含有一定灰尘，建议在使用的時候，操作工人佩戴口罩和手套。
- ④主要用于≤6w/cm<sup>2</sup>液体加热元件。
- ⑤加热元件可以高频点火，需要立即封口，防止二次受测。

TOPE INTL CO., LIMITED

### Low Temperature MgO TED-1

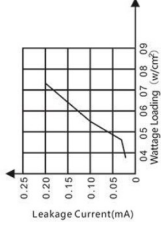
#### • Chemical Analysis (%)

Name value	MgO	CaO	Fe <sub>2</sub> O <sub>3</sub>	SiO <sub>2</sub>	Al <sub>2</sub> O <sub>3</sub>
	≥94	≤2.0	≤0.7	≤3.5	≤0.5

#### • Physical Analysis

Flow Rate (F.R)		Tap Density				
120±10 S/100g		2.20-2.30 g/cm <sup>3</sup>				
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	≤5	30±5	20±5	20±5	15±5	10±5
						≤7

#### • Electrical Property



Sample Electrical heating elements  
Materials: Bundy tube  
Rolling: Φ8.0mm-6.6mm  
Length: 350mm  
Spiral: OC25A15, Φ0.3mm  
Heating time: 15mm

#### • Packing

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

#### • Remarks

- ① TED-1 is low temperature powder.
- ②This kind of powder is treated without silicone oil or treated with pretty light silicone oil.
- ③Electrical Grade Magnesium Oxide is non-toxic, but with some dust. Anti-dust respirator and gloves are proposed to use during operation.
- ④Mainly used in liquid heating elements with wattage loading less than 6w/cm<sup>2</sup>.
- ⑤The elements can stand high frequency machine annealing but requires immediate sealing

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