

Electrical Grade Magnesium Oxide MLATM

Characteristics

MLATM is a medium-low temperature powder with heavy silicone treatment and higher tap density, especially suitable for aluminum elements. Elements stuffed with this material are proposed to be annealed at 300°C for 1.5 hours or at 420°C for 15 minutes.

Chemical Analysis(%)

MgO	CaO	Al <sub>2</sub> O <sub>3</sub>	Fe <sub>2</sub> O <sub>3</sub>	SiO <sub>2</sub>
≥94.0	≤1.5	≤0.9	≤0.5	≤2.5

Particle Distribution

Mesh	+40	+60	+80	+140	+200	+325	-325
Dia (um)	+425	+250	+180	+106	+75	+45	-45
Quantity(%)	0-1	26-38	16-24	18-28	6-14	8-14	0-8

Tap Density

2.36-2.50g/cm<sup>3</sup>

Flow

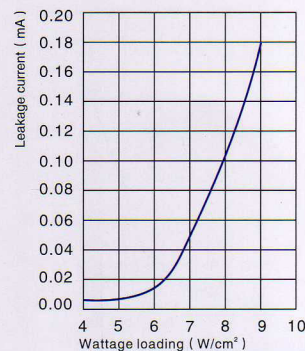
Ford Cup No.3 ( φ2.165mm-2.185mm ) : 160-240s/100g  
 Ford Cup No.4 ( φ 3.97mm-4.01mm ) : 34-40s/100g

Electrical Property

Testing condition

Tube ..... Copper coated iron  
 Reduction ..... φ8.0mm → φ6.6mm  
 Wire ..... 0Cr25Al5, φ0.30mm  
 Helix ..... φ2.3mm  
 Heated length ..... 30.0cm—32.0cm  
 Energized period ..... 15mins

Remark: For users' reference, the chart here shows typical values of performance by this type of powder.



Packing

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

Security and Storage

Electrical Grade Magnesium Oxide is non-toxic, but with some dust. Masks and gloves are proposed to use during operation.  
 Electrical Grade Magnesium Oxide should be stored in dry places, and are suggested to be used out within 12 months after delivery.