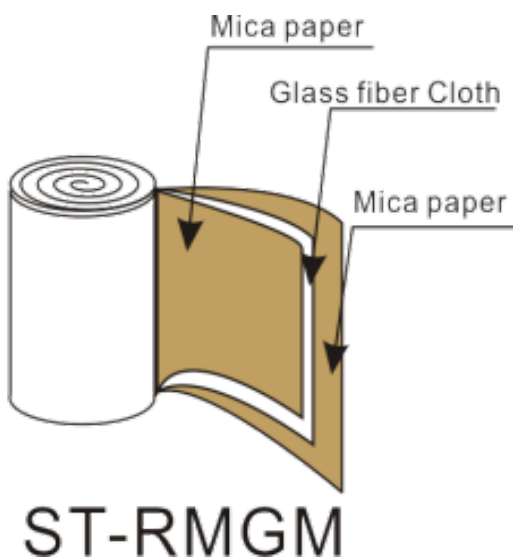


Flexible Mica Slip Plane Materials for the Metals Melting Industry

炉体用柔性金云母隔热材料



REGULAR STRUCTURE



STMAT Mica Slip Plane materials (in roll or sheet form) is a result of specially pressed mica product which is made of phlogopite mica paper, glass fiber cloth, silicon resin and special layer like ceramic cloth or stainless steel. The thickness ranges from 0.2mm to 2.5mm, tensile strength is above N/15mm and temperature resistance is above 800°C. STMAT Mica Slip Plane materials are primarily designed to separate refractory linings from the coil grout of coreless induction furnaces and offer the following benefits:

- provides a vapor barrier against carbon gases,
- provides superior slip plane properties and protects the inductor coils from the expansion and contraction forces caused by thermal expansion of refractory lining,
- provides electrical insulation between the energized coil and the molten metal,
- optimizes the heat flow to prevent over-sintering of the refractory lining,
- prevents early leakage and subsequent costly damage to the coil,
- facilitates the "push out" of worn crucibles/linings
- extends the life of the crucible/refractory thereby reducing maintenance costs and down time,
- ST-COMBI prevents excessive heat loss,
- ST-304T1/ T2 provides a security alarm system for molten metal leakage.

ST-RMGM:

- mica + glass fiber + mica paper (roll)
- 玻纤夹层双面金云母 (卷)

TYPE		UNIT	ST-RMG / ST-RMGM / ST-RGMG						
Thickness	厚度	mm	0.2±0.03	0.3±0.03	0.4±0.03	0.5±0.03	0.6±0.03	0.7±0.03	0.8±0.03
Weight	克重	g/m ²	310±30	500±30	650±50	850±50	1000±50	1150±50	1350±50
Mica content	云母含量	%	>80	>80	>80	>80	>80	>80	>80
Glass content	玻纤含量	%	5~10	5~10	5~10	5~10	5~10	5~10	5~10
Binder content	粘胶剂含量	%	10~15	10~15	10~15	10~15	10~15	10~15	10~15
Tensile strength	拉伸强度	N/15mm	≥200	≥200	≥400	≥400	≥400	≥400	≥400
Fire grades	耐火等级	°C	750°C ~ 950°C IEC60331 and BS6387						
Supply Form	供应形式	In roll form, width:1000 mm, length: 20m or 25m/ roll, can be customer made							

Centralwool