

	<b>TECHNICAL SPECIFICATION</b> <b>Rigid PHLOGOPITE mica sheets</b>		
	Réf <span>é</span> rence <b>TDS-15 (English)</b>	Date <b>01-01-21</b>	Nbre total de pages <b>1</b>

Mica has exceptional electrical and mechanical characteristics and is the best material for the following applications:

- heating elements for electrical devices
- construction of induction furnaces
- as machine parts for thermal or electrical insulation
- industrial sealing and gaskets industries

Phlogopite sheets can be used at high temperature. ( 800°C to 1100°C)  
Made of mica and silicone resin, the mica sheets are UL 94 V0 classified.  
The usual sizes of the sheets are 1200 X 1000 mm and 2400 X 1000 mm.  
Other dimensions are also available on request.



### Rigid phlogopite mica sheets : 0,1 to 100 mm thick

Properties	Standard	Value	Units
<b>Composition</b>	Mica content - average -	IEC 371-2	90 %
	Binder content - average -	IEC 371-2	10 %
<b>Weight loss - 2 hours @ 450 °C-</b>	IEC 371-2	< 0,5	%
<b>Water absorption</b>	IEC 371-2	< 0,5	%
<b>Dielectric strength</b>	IEC 371-2	> 20	KV/mm
<b>Flexural strength</b>	IEC 371-2	> 180	N/mm <sup>2</sup>
<b>Tensile strength</b>	IEC 371-2	>150	N/mm <sup>2</sup>
<b>Thickness</b>	from 0,1 mm to 5 mm	nominal value	± 7 %
	from 6 mm to 25 mm	nominal value	± 5 %
	from 26 mm to 100 mm	nominal value	± 3 %

**Shelf life** 3 years, from production date, in dry conditions at a temperature between 19°C and 23°C.