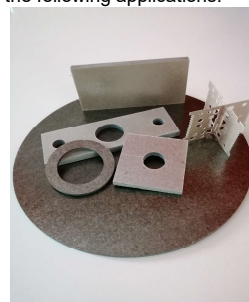
	TECHNICAL SPECIFICATION Rigid MUSCOVITE mica sheets		
	Référence TDS-14 (English)	Date 01-01-21	Nbre total de pages 1

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

Muscovite sheets can be used at high temperature. (450°C to 750 °C).
Made of mica and silicone résin, 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 muscovite mica sheets : 0,1 to 100 mm thick

Properties	Standard	Value	Units
Composition			
Mica content - average -	IEC 371-2	90	%
Binder content - average -	IEC 371-2	10	%
Weight loss - 2 hours @ 450 °C-	IEC 371-2	< 0,5	%
Water absorption	IEC 371-2	< 0,5	%
Dielectric strength	IEC 371-2	> 20	KV/mm
Flexural strength	IEC 371-2	> 180	N/mm ²
Tensile strength	IEC 371-2	>150	N/mm ²
Thickness			
from 0,1 mm to 5 mm	nominal value	± 7	%
from 6 mm to 25 mm	nominal value	± 5	%
from 26 mm to 80 mm	nominal value	± 3	%

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