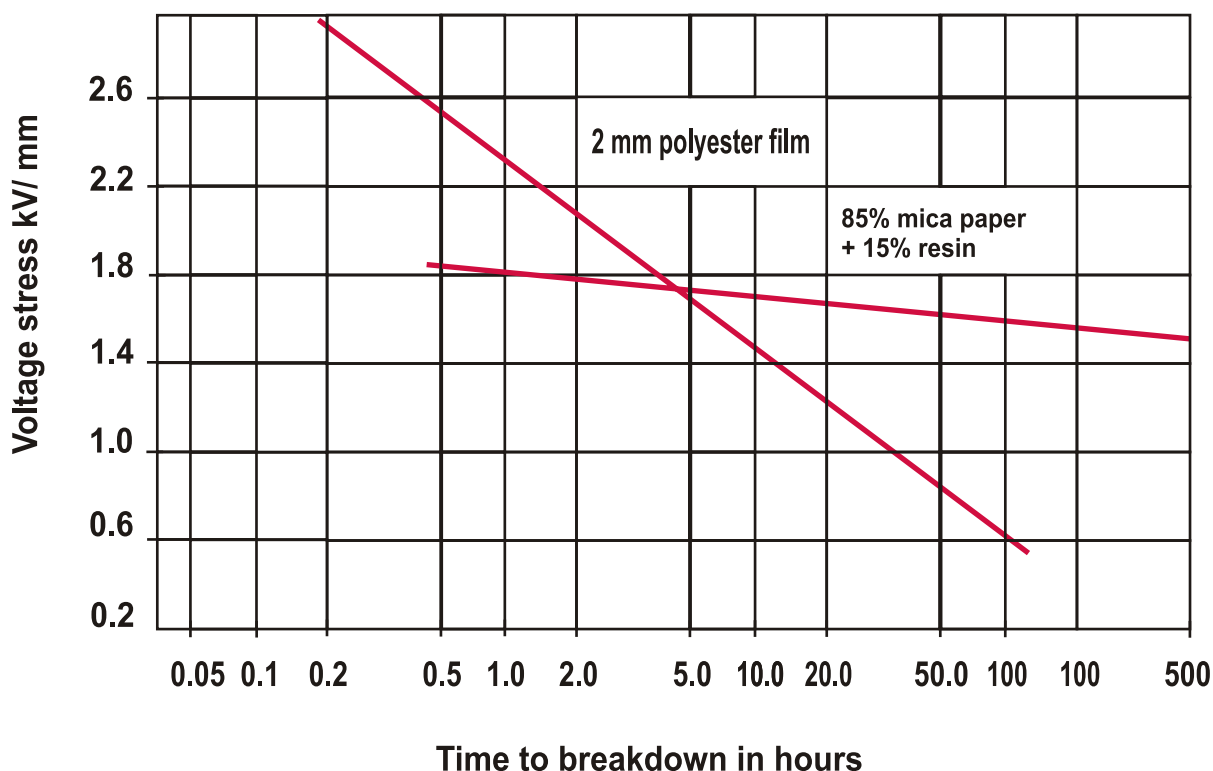


Application:

In KMPC capacitors as dielectric material was used a film of mica paper made of Muscovite Mica a mineral bonded a resin. Excellent electrical properties of mica such as stability, a high dielectric constant and electrical strength have influence to operational parameters of the finished capacitor, especially high energy storage per unit volume. A special executions (type KMPH) allow an impulse work in temepature to 200°C. The graph illustrates the important advantages of durability and stability of dielectric from mica paper in comparison with a traditional polyester film.



Applications requiring:

- ignition systems,
- laser supplies,
- Radar systems,
- medical equipment,
- nuclear equipment,
- high voltage filters,
- X - ray - machines Roentgena,
- PFN (Pulse Forming Network)

Basic parameters:

Operating temperature	-40 ÷ 85°C (a special execution ~200°C)
Humidity	95%
Operating voltage	2kV ÷ 30kV (a special execution ~80kV)
Operating current	5A ÷ 50A
tg δ	4 ÷ 8 x 10 ⁻³
Frequency	1 MHz

Technical data of capacitors:

Type	Capacitance μF	Voltage kV	Current A	Frequency MHz	DF x 10 ⁻³
KMPC-01	2 ÷ 10	2	5	1	5 ÷ 8
KMPC-02	2 ÷ 8	0,5	5	1	4
KMPC-03	0,004 ÷ 0,1	4,5 ÷ 30	15 ÷ 50	1	4
KMPH-01	0,033 ÷ 3,3	0,25 ÷ 4,0			5

- Operating temperature to 150°C
- Operating time to 100.000 h (10⁵h)