



M WILHELMSSEN A/s

M. Wilhelmsen a/
Tlf. (0045)86150111

Aabyvej 69. 8230 Aabyhoej. Denmark
Telefax. (0045)86155671 mw@mw.dk

PTFE 100 V is a comprehensive range of and filled PTFE products. Product line includes sheets, foils, rods and tubes.

PROPERTIES AND APPLICATIONS

Extremely high chemical inertness towards nearly all known chemicals excluding molten alkali metals and fluorine gas. PTFE is non-flammable and has a good stability for continuous use up to 260°C. Low friction and excellent release properties and non toxic, therefore can be used in contact with food. Some properties of PTFE (like cold flow, wear resistance...) could be further improved by incorporation of different fillers such as glass fibers, graphite, bronze or a mixture of these fillers.

TECHNICAL DATA

 Typical values for sheets made of virgin PTFE

Temperature range 200°C to +260 °C

pH range 0 - 14

Density DIN 53479 2.15 g/cm³

Tensile strength ISO 527-1 25 N/mm²

Elongation ISO 527-1 250 %

Hardness DIN 53505 56 Shore

STANDARD DIMENSIONS

Sheets Rods

- dimension up to 1200 x 1200 mm • from Ø 5 mm up to Ø 300 mm
- thickness up to 50 mm

Foils Tubes

- width up to 1200 mm • from out. Ø 6 mm up to out. Ø 300 mm
- thickness up to 1 mm

Other dimensions are available on request.

"All information data quoted are based on years of experience in operation of sealing elements. However in view of the wide variety of possible installation and operating conditions one cannot draw final conclusions in all application cases regarding the behaviour of the joint. The data may not, therefore, be used to support any warranty claims. Whenever there is any doubt, our staff will be pleased to assist you in finding the optimum sealing solutions."