PTFE Sheet

PTFE (polytetrafluoroethylene) has the best chemical resistance among known plastics. It also has good aging stability, electrical insulation, wear resistance, and extremely low friction coefficient. The unloaded operating temperature range is -180~+260°C, and the dielectric strength is more than 10KV/mm.

GS4000 Pure PTFE sheet

Uni-seals PTFE sheets are made from 100% virgin PTFE resin through skiving or molding methods.
PTFE sheets with thicknesses of 4mm or less are normally manufactured by skiving method. Virgin PTFE resin is firstly molded into a blank rod, and then skived into uniform sheets. PTFE sheets with thicknesses over 4mm are normally manufactured by molding method.
The sheets are available to be etched on one side or both sides (style number: GS4000E).

GS4500 PTFE sheet filled with glass fiber

Glass filled PTFE sheets normally contain 15% to 25% glass fiber. Compared with pure PTFE sheets, they have better wear resistance and less deformation under load, while the coefficient of friction is slightly increased.

Applications:

Used as sealing material, electrical insulating parts, lining pads, etc.

Specifications:

Style	GS4000	GS4500
Density	2.1~2.3g/cm^3	2.1~2.3g/cm^3
Tensile strength	≥15Mpa	≥10Mpa
Elongation at break	≥150%	≥100%
Temperature	-180°C~+260°C	-180°C~+260°C
Maximum pressure	10Mpa	10Mpa

Normal Dimensions:

Skived sheets:

Thickness: 0.5~4mm; Width: 1000mm, 1200mm, 1500mm; Length: optional.

Molded sheets:

Length x Width	Thickness
150 x 150mm	1.0~30mm
250 x 250mm	1.5~30mm
300 x 300mm	1.5~30mm
450 x 450mm	1.5~30mm
600 x 600mm	2.0~30mm
800 x 800mm	3.0~30mm

Length x Width	Thickness
1000 x 1000mm	3.0~30mm
1200 x 1200mm	3.0~30mm
1000 x 2000mm	5.0~35mm
1500 x 1500mm	5.0~30mm
1800 x 1800mm	8.0~30mm
2000 x 2000mm	8.0~30mm

Other dimensions are also available on request.

Unimax Seals Company Limited
P. O. Box 810, Cixi, Ningbo,
315300 P. R. China
E-mail: uniseals@gmail.com
https://www.uniseals.com