

EXPANDED PTFE SHEET Style No: TEPS

Expanded PTFE Sheet made from 100% PTFE, developed by a highly specific treatment of PTFE Fluorocarbon. It has a high tensile strength, flexibility, hardness, chemical and thermal resistance, making it an excellent material for gasket seals in the most extreme conditions. Because it is soft and conformable prior to compression, EPTFE requires low stress to seal, making it ideal for fragile or lightly loaded flange assemblies such as those made from FRP, aluminum, graphite and glass-lined steel. The extremely high tensile strength of EPTFE gaskets also protects against overcompression. Regularly installed on ANSI pipe flanges and pressure vessels, these gaskets can be used in applications up to 3,000 psi(210 bar). They effectively seal between flanges that are rough or damaged, too. A positive, reliable seal is routinely achieved on all flange materials and in all processing conditions under 600° F (315° C).

Characteristic

- 1.Excellent chemical resistance.
- 2.Soft.flexible.light clamping force to seal.
- 3.Easy cutting.normal scissors or knives only can be processed.
- 4.High-intensity.fibrosis,3D structure.which greatly reduce the cold flow creep.

Physical Properties



Item	Standard
Length Tensile Strength	17.0 Mpa
Cross Tensile Strength	27.0 Mpa
Compressive Strength	14.7 Mpa
Max Compressive Strength	20 Mpa
Density	0.65-0.95g/cm ³
Temperature	-240 to 260°C
Compressibility	45%
Recovery	15%
Leakage	0.1~0.2 x 10 ⁻⁴ cm ³ /s

General Size

Thickness (mm)	Thickness Tolerance(mm)	Size(mm)	Size Tolerance(mm)
0.5	±0.10	1500 x 1500	±10
1	±0.15	1500 x 1500	±10
1.5	±0.20	1500 x 1500	±10
2	±0.20	1500 x 1500	±10
3	±0.30	1500 x 1500	±10
4	±0.30	1500 x 1500	±10
5	±0.30	1500 x 1500	±10
6	±0.30	1500 x 1500	±10

Inquiry / Order example

Size	Qty
0.5mm x 1500mm x 1500mm	10sheets