

Specification Sheet

Expanded PTFE Gasket Sheet

DESCRIPTION

Hanna Rubber *EPTFE* is a soft, compressible gasket sheet made of 100% pure, multi-directionally expanded PTFE. *EPTFE* is resistant to virtually all chemicals and has excellent creep and cold flow resistance. It is capable of withstanding a wide range of pressure & temperature conditions and is ideal for tight sealing of bolted joints in all process industries including chemical, petrochemical, food, power generation, pulp/paper and general industrial.

CHARACTERISTICS

COMPATIBLE WITH MOST CHEMICALS

EPTFE is 100% pure Polytetrafluoroethylene (PTFE). There are no fillers or binders to limit chemical compatibility. EPTFE can be used in virtually any service.

SOFT AND CONFORMABLE

Upon compression, *EPTFE* conforms to surface irregularities, making it ideal for rough, pitted, scratched or otherwise damaged flange surfaces.

RESISTS CREEP AND COLD FLOW

Unlike molded/skived PTFE which are highly subject to creep, *EPTFE* exhibits good creep and cold flow resistance, along with good bolt torque retention.

• DIMENSIONALLY STABLE

EPTFE retains its width upon compression, making it ideal for use in narrow flanges.

• UNLIMITED SHELF LIFE

EPTFE exhibits no age deterioration, and as a result has unlimited shelf life.

U-V RESISTANT

EPTFE is not affected by ultraviolet, and is resistant to oxidation, discoloration and embrittlement.

• FLAME RESISTANT

EPTFE is flame-resistant due to its high melting point and auto-ignition temperature.

SPECIFICATIONS	
EPTFE	1500mm x 1500mm (59" x 59") +/- 20mm (3/4")
Available Thicknesses	0.75mm (1/32") 3.0mm (1/8") 1.0mm (0.040") 5.0mm (3/16") 1.5mm (1/16") 6.0mm (1/4")
	Upon request: 0.5mm, 2.0mm, 2.5mm, 4.0mm, 5.0mm, 9.0mm
Thickness Tolerance	0.5mm – 2.0mm +15%, -10% 3.0mm – 9.0mm +10%, -10%
EPTFE	2000mm x 1950mm (78-3/4" x 76-3/4") +/- 20mm (3/4")
Thickness	3mm (1/8") +/- 10%
Composition	100% PTFE
Color	White
Density	0.8 g/cc
Pressure	Full Vacuum to 3,000 psi (210 bar)
Temperature	-400°F to 500°F (-240°C to 260°C)
рН	0-14 (not to be used with molten alkali metals or elemental fluorine)

APPROVALS & CERTIFICATIONS	
FDA	21CFR177.1550 Indirect Food Additives – Polymers
EU Reg 10/2011	Plastic materials intended for contact with food
TA LUFT	VDI 2440 Emission Control – Mineral Oil Refineries
BAM	Reactivity with Oxygen
DVGW	DIN 3535-6 Gaskets for Gas Supply (gas valves, gas appliances and gas mains)
USP Class VI	Biocompatibility

QUALITY ASSURANCE
ISO 9001, ISO 14001, OHSAS 18001

Comparable to Teadit 24SH, Inertech Inertex SQ-S, Thermoseal Soft-Seal®



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