

Hanna Rubber Company

Expanded PTFEGasket 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

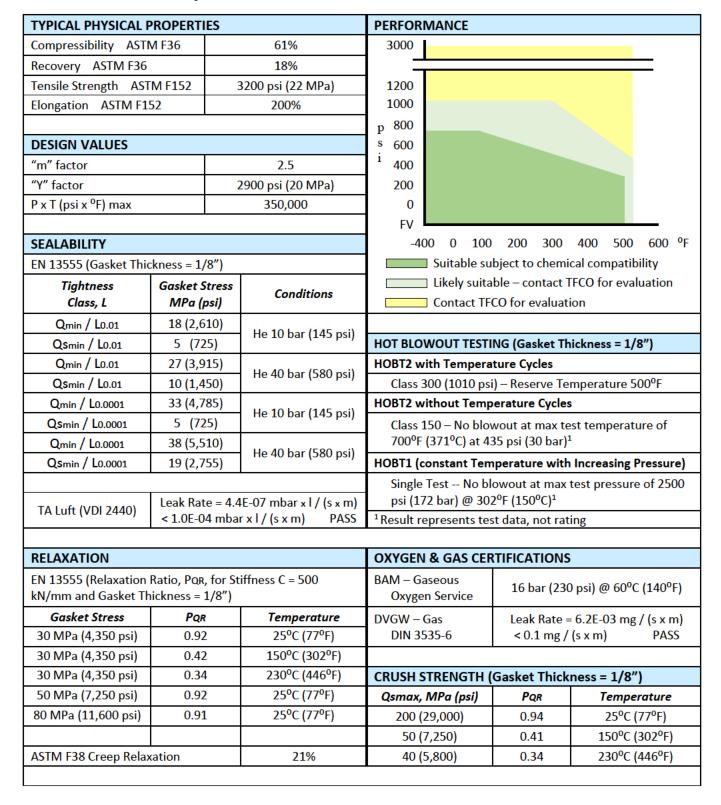
QUALITY ASSURANCE ISO 9001, ISO 14001, OHSAS 18001

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



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