

## Sealmax Style-9909-100% Multi-Directional Expanded PTFE

### Applications:

- Sealmax's 100% Multi-Directional Expanded PTFE (ePTFE) is a high-performance sealing material developed to meet the critical demands of a wide range of industrial applications.
- Expanded PTFE material exhibits consistent tensile strength in all directions, providing superior dimensional stability, excellent creep resistance and long-term sealing reliability even under dynamic conditions.
- It prevents cold flow and material relaxation over-time, making it especially suitable for load-sensitive or high-temperature flange connections and ensuring tight sealing across broad spectrum of pressure and temperature ranges.

### Properties:

- Multi-directional strength for uniform mechanical performance and enhanced sealing life.
- Expectational chemical resistance: inert to virtually all corrosive chemicals (PH 0-14)
- Excellent compressibility accommodating flange and irregularities.
- Non-toxic and non-contaminating: suitable for high-purity and food-grade applications



### TECHNICAL SPECIFICATIONS

SR.NO.	PROPERTIES	UNIT	TEST METHOD REFERENCE	SPECIFIED VALUES
1.	Density	gm/cm <sup>3</sup>	ASTM D-792	0.75 – 0.85
2.	Tensile Strength (Min.)	Mpa	ASTMD-638	> 15
3.	Compressibility	%	ASTM F36	50-65%
4.	Recovery	%	ASTM F36	10-15%
5.	Creep relaxation (22 hrs at 100°C)	%	ASTM F38	≤ 35%
6.	Maintenance factor (m)	-	-	2.5
7.	Seating stress (y)	-	-	2800 psi

### GENERAL SPECIFICATIONS

SR.NO.	PARAMETERS	SPECIFICATIONS	REMARKS
1.	Material	100% Multi-directional Expanded PTFE	No fillers or pigments
2.	Colour	White	-
3.	Operating Temperature	-200°C to +260°C (-328°F to +500°F)	Short-term exposure up to 300°C possible
4.	Pressure range	Vacuum upto 200 bar (3000 Psi)	Depends on the installation situation
5.	Shelf Life	Unlimited under proper storage	Non-ageing material
6.	Available thickness	0.5mm to 6.0mm	-
7.	Available forms	Sheets, gaskets	Customized gaskets on request

All technical data and recommendations are given based on our experience. However, we assume no liability whatsoever. All data and values must be verified by the user, as the effectiveness of a seal can only be accurately judged by evaluating all data parameters directly on site. The stated parameters of all packing styles are approximate and may be influenced if occurring together. We suggest you to contact us in case of any special applications.



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