

Sealmax Style 9900 – 100% Virgin PTFE Gaskets and Sheets

Applications:

- **Sealmax Style 9900** is manufactured from pure Polytetrafluoroethylene (PTFE) without any fillers or additives. Due to its excellent chemical resistance and non-reactive properties, it is widely used as a gasket material in pipe connections.
- **Style 9900** is also commonly used as a lining material for chemical storage tanks and equipments.

Properties:

- **Style 9900** has very good chemical resistance except for in some fluorine compounds.
- Temperature range: -200°C to 260°C, subject to pressure & load.
- Excellent non-stick characteristics
- FDA compliance
- **Style 9900** is chemically inert and unaffected by all known chemicals except molten or dissolved alkali metals like Sodium, Potassium, Rubidium, Cesium, Francium & Fluorine gas and certain Fluorine and is compatible with oxygen service



TECHNICAL SPECIFICATIONS

SR.NO.	PROPERTIES	UNIT	TEST METHOD REFERENCE	SPECIFIED VALUES
1	Density	gm/cc	ASTM D-792	2.1 – 2.2
2	Tensile Strength (Min.)	Kgf/cm ²	ASTMD-638	210 – 375
3	Elongation at Break	%	ASTM D-638	250 – 400
4	Compression Strength	Kgf/cm ²	ASRM D-695	40 – 50
5	Compressive Modulus	Kgf/cm ²	ASTM D-695	3500 – 4000
6	Deformation Under Load (Max.)	-	-	-
6a	2 Hrs. 23°C 113 kgf	%	ASTM D-621	12
6b	24 Hrs. 23°C 113 kgf	%	ASTM D-621	15
6c	Permanent	%	ASTM D-621	8
6d	2 Hrs. 150°C 113 kgf	%	ASTM D-621	55
7	Flexural Strength	Kgf/cm ²	ASTM D-790	50 – 57
8	Flexural Modulus	Kgf/cm ²	ASTM D-790	3500 – 6300
9	Impact Strength	-	-	-
9a	-20°C	cmkgf/cm ²	ASTM D-256	9
9b	+20°C	cmkgf/cm ²	ASTM D-256	15
10	Hardness	Shore D	ASTM D-2240	52 – 58
11	Coefficient of Friction	-	-	-
11a	Dynamic P-7 Kg/cm ² V-0.5	-	ASTM D-1894	0.04 – 0.06
11b	Static P-35 Kg/cm ²	-	ASTM D-1894	0.05 – 0.08
12	Wear Rate (Max.)	gm/s	ASTM D-137	0.01
13	Continuous Service Temp. at Atmospheric Pressure.	°C	ASTM D-648	-250 to +260
14	Heat Resistance (Max.)	%	ASTM D-648	0.01
15	Thermal Conductivity (Max.)	10-1 cal cm SoC	ASTM D-5930	6

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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