

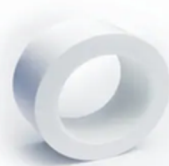
## Sealmax Style 9900G – 25% Glass Filled PTFE

### Applications:

- **Sealmax Style 9900G** is a 25% glass fiber reinforced PTFE compound designed to provide improved mechanical strength, wear resistance, and dimensional stability compared to virgin PTFE. It retains the excellent chemical resistance, low coefficient of friction, and wide operating temperature range of PTFE.

### Properties:

- **Style 9900G** has excellent chemical resistance to most industrial chemicals.
- Operating temperature range:  $-200\text{ }^{\circ}\text{C}$  to  $+260\text{ }^{\circ}\text{C}$  (depending on pressure and load conditions).
- Excellent non-stick characteristics and very low coefficient of friction.
- Improved wear resistance and compressive strength due to glass fiber reinforcement.
- Good dimensional stability under load.
- **Style 9900G** is typically used in applications like seals, gaskets, valve seats, bearings, pump components, and liners for chemical storage tanks and processing equipment.



### TECHNICAL SPECIFICATIONS

SR.NO.	PROPERTIES	UNIT	TEST METHOD REFERENCE	SPECIFIED VALUES
1	Density	gm/cc	ASTM D-792	2.22 – 2.25
2	Tensile Strength (Min.)	Kgf/cm <sup>2</sup>	ASTMD-638	125 – 200
3	Elongation at Break	%	ASTM D-638	200 – 300
4	Compression Strength	Kgf/cm <sup>2</sup>	ASRM D-695	75 – 85
5	Compressive Modulus	Kgf/cm <sup>2</sup>	ASTM D-695	6500 – 7000
6	Deformation Under Load (Max.)	-	-	-
6a	2 Hrs. 23°C 113 kgf	%	ASTM D-621	9
6b	24 Hrs. 23°C 113 kgf	%	ASTM D-621	11
6c	Permanent	%	ASTM D-621	7
6d	2 Hrs. 150°C 113 kgf	%	ASTM D-621	50
7	Flexural Strength	Kgf/cm <sup>2</sup>	ASTM D-790	35 – 42
8	Flexural Modulus	Kgf/cm <sup>2</sup>	ASTM D-790	16700
9	Impact Strength	-	-	-
9a	-20°C	cmkgf/cm <sup>2</sup>	ASTM D-256	9.5
9b	+20°C	cmkgf/cm <sup>2</sup>	ASTM D-256	11
10	Hardness	Shore D	ASTM D-2240	58 – 63
11	Coefficient of Friction	-	-	-
11a	Dynamic P-7 Kg/cm <sup>2</sup> V-0.5	-	ASTM D-1894	0.5 – 0.54
11b	Static P-35 Kg/cm <sup>2</sup>	-	ASTM D-1894	0.11 – 0.13
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	9

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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