

TECHNICAL DATA SHEET



GRADE CODE: VGS-V-610

Product: Virgin / Unfilled PTFE - Polytetrafluoroethylene

Sr. No.	Parameter	Standard	Value
1	Colour	Visual	Milky White
2	Density	ASTM-D-792	2.1~2.2 gm/cc
3	Tensile Strength	ASTM-D-638	4025 PSI (Min) / 300 kg/cm2 (Min)
4	Elongation	ASTM-D-638	300 % (Min)
5	Compressive Strength	ASTM-D-695	2000 PSI (Min) / 145 kg/cm2 (Min)
6	Compressive Modulus	ASTM-D-695	50000 PSI (Min) / 3575 kg/cm2 (Min)
7	Flexural Strength	ASTM-D-790	2225 PSI (Min) / 160 kg/cm2 (Min)
8	Flexural Modulus	ASTM-D-790	129125 PSI (Min) / 9215 kg/cm2 (Min)
9	Hardness	ASTM-D-2240	50~60 Shore D (Min)
10	Service Temperature	ASTM-D-648	-200~+260 °C
11	Water Absorption	ASTM-D-570	0%
12	Dielectric Strength	ASTM-D-149	10~15 Kv/mm (Min)
13	FDA Compliance	21 CFR.177.1550 (e1)(e3)	Yes

Service Conditions (Properties):

- Hygienic
- Excellent chemical resistance
- Outstanding electrical properties
- Excellent flexural properties

Applications:

Industrial Sealing Components, Gaskets, Bellows, food contact & medicine / human consumption, Oil & Gas Industrial applications.

Note: The information contained herein are typical values intended for reference and comparison purposes only. They should NOT be used as a basis for design specifications or quality control. All values at 23C unless otherwise noted.