

TECHNICAL DATA SHEET



GRADE CODE: VGS-GL-15-M5-F

Product: 15% Glass + 5% Moly Filled PTFE - Polytetrafluoroethylene

Sr. No.	Parameter	Standard	Value
1	Colour	Visual	Grey
2	Density	ASTM-D-792	2.2~2.24 gm/cc
3	Tensile Strength	ASTM-D-638	2800 PSI (Min) / 200 kg/cm2 (Min)
4	Elongation	ASTM-D-638	200 % (Min)
5	Compressive Strength	ASTM-D-695	2450 PSI (Min) / 175 kg/cm2 (Min)
6	Compressive Modulus	ASTM-D-695	55,500 PSI (Min) / 4000 kg/cm2 (Min)
7	Flexural Strength	ASTM-D-790	2800 PSI (Min) / 200 kg/cm2 (Min)
8	Flexural Modulus	ASTM-D-790	69,695 PSI (Min) / 4975 kg/cm2 (Min)
9	Hardness	ASTM-D-2240	56~62 Shore D
10	Service Temperature	ASTM-D-648	250°C
11	Water Absorption	ASTM-D-570	< 0.01 %
12	Dielectric Strength	ASTM-D-149	8~10 Kv/mm
13	FDA Compliance	21 CFR.177.1550 (e1)(e3)	Yes

Service Conditions (Properties):

- High compressive strength
- Excellent chemical resistance
- Improved wear resistance under load & permanent deformation
- Improved frictional properties

Applications:

Low torque valve components

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.