

Expanded PTFE Technical Data Sheet

Property	Standard	Value
Density	ASTM D792	0.75 - 0.95 g/cm ³
Water Absorption	ASTM D570	< ____ %
Safe Operating temperatures	-	-240 - 200°C(biological, pharma, food applications) 200 - 260°C(Non-bio/food/ pharma applications)
Compressibility	ASTM F36	45 +/- 5%
Recovery	ASTM F36	12 -13%
Creep Relaxation	ASTM F38	35 – 36 %
Sealability / leakiness rate Nitrogen at 4Mpa, 20 deg C	ASTM F 37B	0.15 ml / hr
Sealability / leakiness rate Furnace oil 4Mpa, 20 deg C	ASTM F 37B	0.02 ml / hr
Service Pressure	-	Full Vacuum to 19 MPa
Tensile Strength Both directions	ASTM D638	16 – 17 MPa
Moisture / solvent absorption	-	Negligible
Combustibility	-	Non-combustible
Weather resistance	-	Excellent
Chemical resistance	-	Example: Excellent, except for highly fluorinating agents

Disclaimer:

- The values given in the data sheet are for reference only.
- Customers are advised to test the suitability of our materials for their application as these values may not directly hold good under all complex / multiple application conditions.
- Our company does not undertake any liability, direct or indirect, linked with the usage and performance of our materials under application conditions.