



DEMIFLON TUBE

EXPANDED PTFE TUBES

70 % PTFE & 30% GRAPHGITE (On Depend)

Extremely wide range of uses in:

- * Low stress to seal requirements help protect fragile flange and delicate assemblies.
- * Higher resistant to creep and cold flow when sealing of heat exchanger and no need to retight after installation.
- * No precutting and no wasteful scrap saves time and money when sealing large equipment flanges.
- * Since It's so versatile and inert to most chemicals. It's perfect for the most challenging chemical application.
- * Ideal for large, complex or damages sealing surfaces due to its strong yet conformable nature.
- * TOP SEAL is a UNICERSAL sealing material for valves; It servers as a flange

Typical Technical Data of PTFE TUBE Semi finished Materials :

Property Unit Value
Density Gms/cc 2.13 - 2.18
Tensile strength Kg/cm² ≥ 200
Elongation % ≥ 250
Impact strength Kg.cm/cm² ≥ 13
Compressive strength at 1% def. Kg/cm² ≥ 40
Coefficient of thermal conductivity Deg C 1.23×10^{-4}
Volume resistivity Ohm cm $\geq 10^{18}$
Surface resistivity Ohm $\geq 10^{17}$
Safe Operating temperatures Deg C
- 50 to 250
(biological, pharma, food applications)
- 50 to 280
(Non-bio/food/ pharma applications)
Dielectric strength KV/mm ≥ 60
Moisture / solvent absorption - Negligible
Combustibility - Non-combustible
Weather resistance - Excellent



PTFE Rod & Tube

We specialise in high quality **PTFE rod and tube** suitable for today's modern machining.

Using the company's **Fluorinoid®** materials register of over 200 filled **PTFE** grades and our in-house blending facilities, we work with customers to develop and blend grades to suit specific applications.

Combining this with our finished component design and machining facilities we have the competitive advantage of offering a cost effective end-to-end service.

Extruded Rod and Tube

- **Extruded Rod** 6mm - 140mm Ø up to 4000mm length
- **Extruded Tube** 15mm - 150mm Ø up to 4000mm length
- **PTFE** thin wall paste extruded in a variety of sizes and colours
- Stress relieving service available to enable machining to tight tolerances
- In-house tensile strength and elongation testing
- Precision grinding service to ensure close tolerances for modern machining.



Moulded Rod and Tube

- **Moulded Rods** 3mm - 50mm Ø up to 2000mm lengths
- **Moulded Rods** 1mm - 1500mm Ø at various lengths
- **Moulded Tubes** 20mm - 1500mm Ø at various lengths
- A unique special process to produce lengths of 2000mm of low stress material for high precision machining within a narrow tolerance band
- Over 1500 moulding tools available from our continually expanding range
- **Etching and Bonding** service available
- Materials are conditioned and stress-relieved to ensure optimum quality for modern day machining centr

**EXPANDED PTFE JOINT SEALANT WITH
ADHESIVE****Extremely wide range of uses in:**

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EXPANDED PTFE JOINT SEALANT TAPE WITH ADHESIVE 76-012S

Product code	Size	T. (mm)	Product code	Size	T. (mm)
76-012S	W. 3mm x L. 40mtr	1.5	76-012S	W. 14mm x L. 5mtr	5
76-012S	W. 3mm x L. 30mtr	2	76-012S	W. 16mm x L. 5mtr	5
76-012S	W. 5mm x L. 25mtr	2	76-012S	W. 17mm x L. 5mtr	6
76-012S	W. 6mm x L. 20mtr	3	76-012S	W. 20mm x L. 5mtr	6
76-012S	W. 7mm x L. 15mtr	2.5	76-012S	W. 20mm x L. 5mtr	7
76-012S	W. 9.5mm x L. 15mtr	4.5	76-012S	W. 25mm x L. 5mtr	4
76-012S	W. 10mm x L. 5mtr	3	76-012S	W. 25mm x L. 5mtr	8
76-012S	W. 12mm x L. 5mtr	4	76-012S	W. 100mm x L. 30mtr	1

*For other size can done as customer requirement.