

<p style="text-align: center;">PTFE TUBING DATA SHEET</p>
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APPLICATION FIELD:

For all kind of industries for the fluids transfer, the electrical and thermal insulation, the sliding properties.

SPECIFICATIONS:

Virgin PTFE

Composition:

Sintered virgin polytetrafluoroethylene. Food contacts applications have to be specified on the order so that we can use a FDA approved grade and add a cleaning operation to obtain naphta free tubing.

Dimensional: see our brochure

Properties: the tests are run at 23 ± 2 °C

- Specific gravity: 2.14 - 2.19 g/cm³.
- Elongation at break: > 200 %
- Tensile strength at break: > 17.3 Mpa
- Dielectric strength: > 10 kV/mm
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Working temperature: from - 200 to + 260 °C

Burst pressure and working pressure: if request, we can define these regarding the dimensions and the working temperature

Antistatic PTFE

Composition:

Sintered virgin and modified PTFE + 1.2 % by weight high conductive carbon.

Antistatic PTFE tubing keeps all the properties of the virgin PTFE tubing except for electrical properties.

The surface resistance is usually $10^6 \Omega$ and always $< 10^7 \Omega$

Do not use PTFE:

In contact with elementary fluoride and molten alkaline metals
Permeation occurs with helium, chloride and bromine.