

# TEMPERATURE & PRESSURES

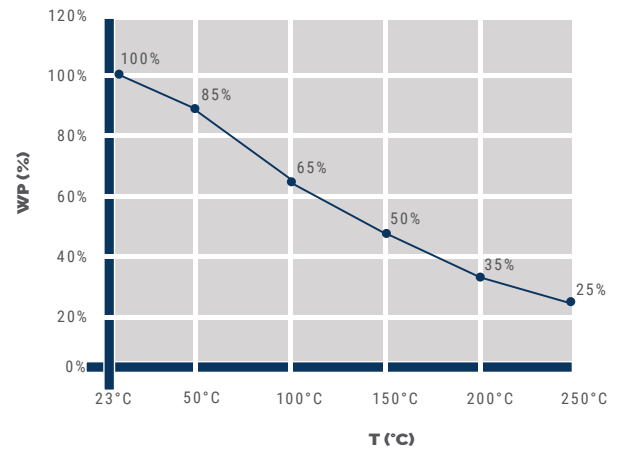


PTFE, PFA & FEP TUBING

## GENERAL SPECIFICATIONS PTFE TUBING:

Temperature affects tubing pressure resistance.

TEMPERATURE		PRESSURE
UP TO 23 °C	UP TO 73.4 °F	100 %
50°C	122°F	85%
100°C	212°F	65%
150°C	302°F	50%
200°C	392°F	35%
250°C	482°F	25%



## FOCUS TOLERANCES:

Tolerances on PTFE tubing are so divided:

- A) for standard tubing with wall thickness from 0.5 mm (0.020 inch) to 1.0 mm (0.040 inch);
- B) for other sizes and wall thickness, according to ISO 13000-1, par. 4.2.5.;
- C) on eccentricity.

ID		TOLERANCES ON ID & OD	
mm	inch	mm	inch
1.5 < ID ≤ 5	.059 < ID ≤ .197	± 0.10	± 0.004
5.1 < ID ≤ 7	.200 < ID ≤ .276	± 0.15	± 0.006
7.1 < ID ≤ 10	.280 < ID ≤ .394	± 0.20	± 0.008
10.1 < ID ≤ 15	.398 < ID ≤ .591	± 0.30	± 0.012
15.1 < ID ≤ 20	.594 < ID ≤ .787	± 0.40	± 0.016
20.1 < ID ≤ 26	.791 < ID ≤ 1.024	± 0.60	± 0.024

A

WALL THICKNESS		TOLERANCES ON ID & OD	
mm	inch	mm	inch
0.5	.020	0.10	.004
1	.039	0.15	.006
1.5	.059	0.17	.007
2	.078	0.20	.008
2.5	.098	0.25	.010
3	.118	0.30	.012

C

ID	TOLERANCES
ID < 5 mm (.197 inch)	± 0.25 mm (0.010 inch)
ID ≥ 5 mm (.197 inch)	± 5%
Wall thickness	± 10%

B

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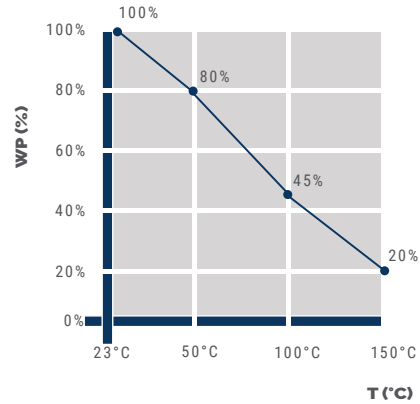


PTFE, PFA & FEP TUBING

## GENERAL SPECIFICATIONS FEP TUBING:

Temperature affects tubing pressure resistance.

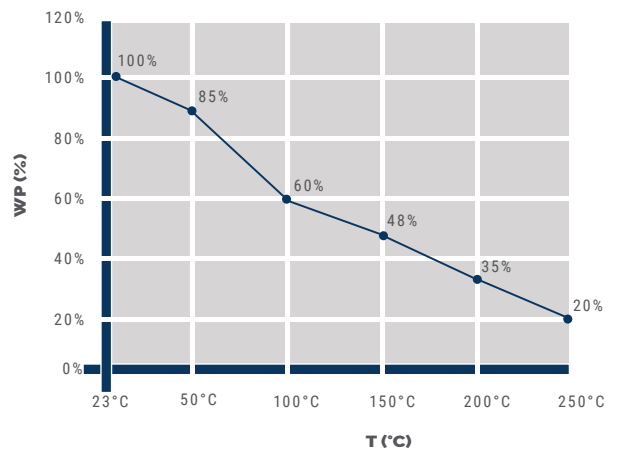
TEMPERATURE		PRESSURE
UP TO 23 °C	UP TO 73.4 °F	100 %
50 °C	122 °F	80 %
100 °C	212 °F	45 %
150 °C	302 °F	20 %



## GENERAL SPECIFICATIONS PFA TUBING:

Temperature affects tubing pressure resistance.

TEMPERATURE		PRESSURE
UP TO 23 °C	UP TO 73.4 °F	100 %
50 °C	122 °F	85 %
100 °C	212 °F	60 %
150 °C	302 °F	48 %
200 °C	392 °F	35 %
250 °C	482 °F	20 %



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