

PVDF tubing



PVDF tubing can be delivered in smooth or convoluted version (spiral or parallel). Available in metric, inch and AWG sizes.

Delivery possible on straight lengths, cut lengths, coils or spools.

Key properties of PVDF

- Excellent resistance against creep and fatigue
- Excellent thermal stability
- Excellent radiation resistance
- Often used as isolation or barrier in chemical applications
- Working temperature from -20°C to +130°C

	Property	Specification	Unit	Value
General	Continuous working temp.	Maximum	°C	150
	Chemical resistance		-	Good
	Specific gravity	D 792	g/cm ³	1.78
Electrical	Dielectric constant	D 150 at 10 ³ Hz	-	7.2
		D 150 at 10 ⁶ Hz	-	8.5
	Dielectric dissipation factor	D 150 at 10 ³ Hz	-	0.030
		D 150 at 10 ⁶ Hz	-	9 x 10 ⁻²
	Dielectric strength	D 149	kV/mm	50
	Volume resistivity	D 257	Ohm·cm	>10 ¹⁴
Mechanical	Tensile strength	D 1708, D 638	Mpa	50
	Elongation	D 1708, D 638	%	>30
	Compressive strength	D 695	Mpa	80
	Impact strength	D 256 bij +23°C	J/m	No break
	Flexural Modulus	D 790 bij +23°C	Mpa	1660
	Tensile Modulus	D 638	Mpa	1380
	Hardness	D 2240	-	73-85
Thermal	Melting (gel)point		°C	160
	Thermal conductivity	+23°C	W/Kg.m	0.11
	HDT	DIN 75	°C	
	method A			140
	method B			95

* Actual properties may change due to processing method, compound type, extruded dimensions and other variables. It is the user's responsibility to evaluate and fully test the suitability of the product for their specific application.

PVDF tubing



ID mm	ID tol. +/- mm	Wall mm	Wall tol. +/- mm	OD mm
2,00	0,10	1,00	0,15	4,00
4,00	0,20	1,00	0,15	6,00
6,00	0,20	1,00	0,15	8,00
8,00	0,20	1,00	0,15	10,00
9,00	0,30	1,50	0,20	12,00
10,00	0,30	1,00	0,15	12,00
12,00	0,30	1,00	0,15	14,00
13,00	0,40	1,50	0,20	16,00
14,00		1,00		16,00
16,00		1,00		18,00
18,00		1,00		20,00

ID inch	ID tol. +/- inch	OD inch	OD tol. +/- inch	ID mm	Wall mm	OD mm
1/16	1/10	1/8	1/10	1,59	0,80	3,18
5/32	3/20	1/4	3/20	3,97	1,19	6,35
11/64	1/5	1/4	3/20	4,35	1,00	6,35
1/4	1/5	3/8	1/5	6,35	1,59	9,52
3/8	3/10	1/2	3/10	9,52	1,59	12,70
1/2	2/5	5/8	3/10	12,70	1,59	15,87

The above mentioned dimensions and tolerances are our standard.
Other dimensions and/or tolerances available on request.