

Optinova PVdF Tubing

Solutions for Industrial Applications.



Optinova PVdF tubing provides superior mechanical strength, chemical resistance, low permeability, and purity, making it ideal for high-quality applications.

Its stiffness and abrasion resistance make it a top choice in the fiber optic industry, while its higher pressure resistance outperforms PTFE and PFA for demanding tasks.



Key advantages

- **Excellent chemical resistance:** Strong durability against various chemicals.
- **Flame retardant:** (UL94 V0, Oxygen index >44)
- **High purity and low extractables:** Minimal contamination, suitable for sensitive applications.
- **UV and radiation resistance:** Durable under exposure to sunlight and radiation, enhancing longevity.
- **High mechanical strength and toughness:** Delivers excellent durability under mechanical stress and wear.

Applications

- Chemical processing
- Laboratory analytics
- Nuclear waste processing
- Furcation tubes for fiber optics
- Semiconductor production processes (Front-end and Back-end)
- Water transfer and purification

With a variety of possible sizes, tolerances and lengths, **Optinova PVdF tubing** can be **tailored** to meet your application challenge without compromising on **performance**.

Technical specifications

Diameter range:

ID 0,30 mm (0,0118") up to 25,0 mm (0,9842")

OD 0,60mm (0,0236") up to 30,0 mm (1,181")

Wall thickness 0,15 mm (0.0059") up to 5,00 mm (0,1968")

Tight tolerances from +/-0,03mm (+/- 0,001")

Usage temp. -30°C (-22° F) to +150°C (302° F)

UL 94 V0

Materials:

Materials from Premium Suppliers

Regulatory:

Raw materials produced without use of PFOA or PFOS

REACH and RoHS compliant

FDA conformity as minimum, USP 88 Class VI on selected grades

Supply:

Standard tubes are natural (milky white), colored tubing is available in >10 standard colors, fully colored

Standard supply: On coils with 25/30/50 or 100 meters (other fixed length upon request), For small diameters we use standard plastic spools.

Straight pieces up to 6 meters available

For more technical information, please contact us at our sales offices or visit our website: optinova.com/contacts

We empower customers through highly reliable tubing solutions.



Industrial-grade certifications



Standard Tolerances

OD mm	Tol mm
>1,99	+/- 0,07
2,00 - 3,99	+/- 0,08
4,00 - 7,99	+/- 0,10
8,00 - 9,99	+/- 0,12
10,00 - 11,99	+/- 0,15
12,00 - 15,99	+/- 0,20
16,00 - 17,99	+/- 0,25
18,00 - 19,99	+/- 0,30
20,00 - 23,99	+/- 0,35
24,00 - 29,99	+/- 0,40

Wall mm	Tol mm
>0,30	+/- 0,05
0,31 - 0,70	+/- 0,08
0,71 - 1,00	+/- 0,10
1,01 - 1,30	+/- 0,12
1,31 - 1,60	+/- 0,15
1,61 - 2,00	+/- 0,20
2,01 - 2,50	+/- 0,25
2,51 - 3,00	+/- 0,30
3,01 - 3,50	+/- 0,35
3,51 - 4,00	+/- 0,40

If you need fabricated tubing (preformed in 2D or 3D shapes), please send us your drawing and we make you a customized proposal. Other secondary operations as cutting, hole punching, flaring, skiving, tapering, spiral cut, etching available upon request.

Monofilaments available in all materials up to 5 mm OD.

We also have solutions in other premium materials as PEEK, PFA, FEP, PTFE and ETFE.

About Us

Founded in 1971, Optinova is a world-leading extrusion partner for advanced medical and industrial tubing. With sales offices around the world and four extrusion plants in Finland, Thailand, and the US, we are serving partners from 50+ countries across industries.

Contact Us

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