

# Optinova PTFE Heat Shrink Tubing

Solutions for Industrial Applications.



Optinova heat shrink tubing solutions serve as protective jacketing to protect and enhance functionality in extreme environments as heat, corrosion, shock and moisture.

PTFE heat shrink tubes come in 2:1 or 4:1 shrink ratios with standard supply on spools (lay flat) or custom sizes per your specifications.



## Key advantages

- **High Temperature Resistance:** Operates up to 260° C / 500° F
- **Nonflammable:** UV94 Class 0
- **Chemical Resistance:** Outstanding resistance to a wide range of chemicals.
- **UV and Light Stability:** Virtually unaffected by oxygen, ozone, and UV light.
- **Materials:** Made from FDA and/or USP Class VI materials.
- **Sterilization:** Suitable for ETO and Steam.
- **Excellent Dielectric Properties**
- **Shrinking temperature:** From 330° C / 626° F
- **Coulouring:** Available in 10 std colours.

## Applications

- Insulation and jacketing
- Wire connecting and splicing
- Food and pharmaceutical packaging
- Encapsulation of electronic components
- Protection of probes and antennas
- Corrosion protection for metal parts

### Industrial-grade certifications



### Technical specifications

	PTFE
Shrink Temperature	Ca 330 C (626 F)
Shrink Ratio	2:1 and 4:1
Length change	+/-12%
Working temperature	-260 C to 260 C 436 F to 500 F
Chemical resistance	Excellent
Flammability	UL 94 V0
Shelf life	Infinite
Water absorption	>0,01%
Hardness	D60
UV resistance	Unaffected
Ozone resistance	Unaffected
Sterilization	EtO, Steam
Food-grade materials	Available

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

Optinova heat shrink tubing solutions are produced from **virgin PTFE** grades of **premium quality** only.



# We empower customers through highly reliable tubing solutions.



PTFE Heat Shrink Tubing 2:1 AWG Sizes

AWG Size	Exp. ID (min)	Rec. ID (max)	Light wall recovered after max. shrinkage		Thin wall recovered after max. shrinkage		Standard wall recovered after max. shrinkage	
			nom.	tol. +/-	nom.	tol. +/-	nom.	tol. +/-
	mm		nom.	tol. +/-	nom.	tol. +/-	nom.	tol. +/-
30	0.86	0.38	0.15	0.05	0.23	0.05	0.23	0.05
28	0.97	0.48	0.15	0.05	0.23	0.05	0.23	0.05
26	1.17	0.56	0.15	0.05	0.23	0.05	0.23	0.05
24	1.27	0.67	0.15	0.05	0.25	0.07	0.31	0.07
22	1.40	0.81	0.15	0.05	0.25	0.07	0.31	0.07
20	1.52	1.02	0.15	0.05	0.31	0.07	0.31	0.07
19	1.65	1.10	0.15	0.05	0.31	0.07	0.41	0.07
18	1.93	1.25	0.15	0.05	0.31	0.07	0.41	0.07
17	2.15	1.38	0.15	0.05	0.31	0.07	0.41	0.07
16	2.35	1.55	0.15	0.05	0.31	0.07	0.41	0.07
15	2.80	1.70	0.15	0.05	0.31	0.07	0.41	0.07
14	3.05	1.88	0.20	0.05	0.31	0.07	0.41	0.07
13	3.55	2.08	0.20	0.05	0.31	0.07	0.41	0.07
12	3.81	2.31	0.20	0.05	0.31	0.07	0.41	0.07
11	4.32	2.57	0.20	0.05	0.31	0.07	0.41	0.07
10	4.85	2.85	0.20	0.05	0.31	0.07	0.41	0.07
9	5.20	3.15	0.20	0.05	0.38	0.07	0.51	0.10
8	6.10	3.58	0.20	0.05	0.38	0.07	0.51	0.10
7	6.85	4.01	0.20	0.05	0.38	0.07	0.51	0.10
6	7.67	4.52	0.25	0.07	0.38	0.07	0.51	0.10
5	8.10	5.03	0.25	0.07	0.38	0.07	0.51	0.10
4	9.40	5.69	0.25	0.07	0.38	0.07	0.51	0.10
3	9.90	6.33	0.25	0.07	0.38	0.07	0.51	0.10
2	10.90	7.06	0.25	0.07	0.38	0.07	0.51	0.10
1	11.45	7.90	0.30	0.07	0.38	0.07	0.51	0.10
0	11.94	8.81	0.31	0.07	0.38	0.08	0.51	0.10

PTFE Heat Shrink Tubing 4:1

Order nr	Expanded ID mm	Rec. ID mm	Wall mm
5/64"	1.98	0.64	0.22
1/8"	3.18	0.94	0.25
3/16"	4.75	1.27	0.30
1/4"	6.35	1.60	0.30
5/16"	7.92	2.00	0.30
3/8"	9.52	2.44	0.30
7/16"	11.13	2.85	0.30
1/2"	12.70	3.66	0.38
9/16"	14.27	3.94	0.38
5/8"	15.88	4.52	0.38
11/16"	17.45	5.03	0.38
3/4"	19.05	5.70	0.38
7/8"	22.23	6.20	0.38
1"	25.40	7.06	0.38

*We recommend using heat gun or oven to shrink the tube. You must maintain good ventilation when heating fluoropolymers. The fumes are invisible, odorless and at high temperatures can be unpleasant or cause nausea and flu-like symptoms.*

Custom dimensions and lengths can be made upon request. DUAL heat shrink tubing PTFE/FEP and ETFE heat shrink tubing is available upon request.

## 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

www.optinova.com  
customerservice@optinova.com

