

ETFE TUBING



Key advantages

- Mechanically strong
- Excellent impact strength
- Good resistance to stress cracking
- ETFE is virtually unaffected by oxygen, ozone and UV light

Dimensions

Optinova produces metric, imperial and AWG sizes. Special dimensions can be made upon request. Custom production length is available but fixed length can be supplied upon request.

“50 years of experience serving over 1 000 long-term partners, **Optinova’s reputation for quality and product consistency** has been an industry standard that we maintain every day”, Anders Wiklund, CEO

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
etc.	

STANDARD TOLERANCES	
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
etc.	

Contact our sales offices or visit our website for more information about sample and specifications!

[optinova.com/contacts](https://www.optinova.com/contacts)

ETFE	Property	Specification	Unit		
General	Continuous service temperature	Maximum	°C	150	
			°F	302	
	Chemical resistance		-	Very good	
	Specific gravity	D792	-	1.73	
	Transparency	-	-	Good	
	Sterialization			Eto, Steam, Radiation	
Environmental	Water absorption	D570	%	< 0.03	
	Weather resistance	-	-	Excellent	
	Oxygene index	D2863	%	> 30	
	Flammability	UL 94	-	V-0	
Thermal	Melting point		°C	260	
			°F	500	
	Thermal conductivity	C177	BTU/(h.ft.°F)	1.6	
	Deflection temperature 66 psi	D648	°C		104
					71
	Deflection temperature 264 psi	D648	°F		220
					160
Mechanical	Tensile strength	D1708, D638	psi	6 500	
	Elongation	D1708, D638	%	230-300	
	Compressive strength	D695	psi	7 000	
	Impact strength	D256 (+23°C)	Ft-Lb/in	No Break	
	Flexural Modulus	D790 (+23°C)	psi	200 000	
	Tensile Modulus	D638	psi	120 000	
	Hardness	D2240	-	D-75	
	Coefficient of friction	-	-	0.23	
Electrical	Dielectric constant	D150 (103 Hz)	-	2.6	
		D150 (106 Hz)	-	2.6	
	Dielectric dissipation factor	D150 (103 Hz)	-	0.0008	
		D150 (106 Hz)	-	0.0005	
	Dielectric strength (short term) 10 mils film	D149	Volt/mil	2 000	