



KEY ADVANTAGES

- More transparent and optically clear than PTFE
- More flexible than PTFE
- Best suited for monitoring equipment
- Virtually unaffected by oxygen, O₃ and UV light
- Broad working temperature (-200°C to 200°C)
- Secondary operations available upon request

DIMENSIONS

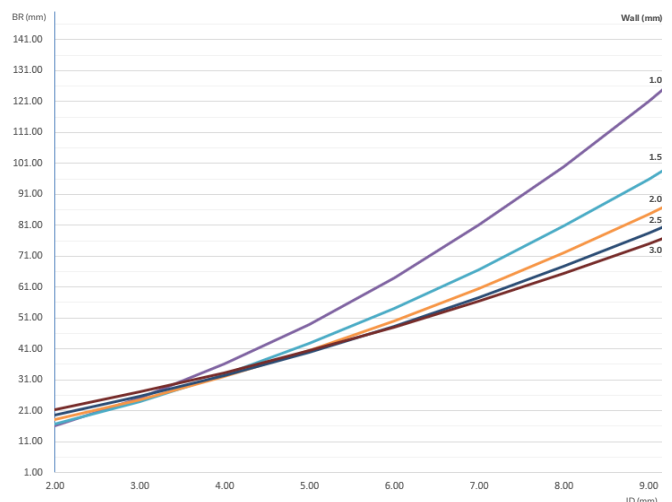
We offer metric, imperial and AWG sizes, ranging from ID 0.3 mm up to OD 120 mm. Custom dimensions and lengths can be made upon request.

We can also produce single- and multi-lumen tubing in FEP. All of our tubing can be supplied in colors with enhancing fillers and specific grade approvals. Tell us your application and we will find the best solutions for you.

APPLICATIONS

- General fluid handling: chemical processing industry, laboratory, analytics & water purification (Oz)
- Electrical applications: insulation, cables, cooling, conduits, telecommunication and fiber optics
- Ground water monitoring and food, nutrition and beverage processing

BENDING RADIUS



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

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STANDARD TOLERANCES

OD (mm/inch)	Tol (mm/inch)
>2,00 mm / >0,079"	+/-0,08 mm / +/-0,0031"
>4,00 mm / >0,158"	+/-0,10 mm / +/-0,0039"
>8,00 mm / >0,315"	+/-0,12 mm / +/-0,0047"
>10,00 mm / >0,3937"	+/-0,15 mm / +/-0,0059"
>12,00 mm / >0,4724"	+/-0,20 mm / +/-0,0079"
>16,00 mm / >0,6299"	+/-0,25 mm / +/-0,0098"
>18,00 mm / >0,7087"	+/-0,30 mm / +/-0,0118"
>20,00 mm / >0,7874"	+/-0,35 mm / +/- 0,0138"
>24,00 mm / >0,9448"	+/-0,40 mm / +/-0,157"

Wall (mm/inch)	Tol (mm/inch)
>0,30 mm / >0,012"	+/-0,07 mm 0,0027"
>0,50 mm / >0,020"	+/-0,10 mm 0,0039"
>0,70 mm / >0,0275"	+/-0,12 mm 0,0047"
>0,80 mm / 0,315"	+/-0,15 mm 0,0059"
>1,00 mm / >0,0393"	+/-0,20 mm 0,0079"
>1,25 mm / >0,0492"	+/-0,25 mm 0,0098"
>1,51 mm / >0,0594"	+/-0,30 mm 0,0118"
>3,01 mm / >0,119"	+/-0,50 mm 0,020"

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MATERIAL PROPERTIES

	Property	Specification	Unit	
General	Continuous service temperature	Maximum	°C	200
		Maximum	°F	392
	Chemical resistance			Excellent
	Specific gravity	D 792		2.15
Electrical	Dielectric constant	D 150 at 10 ³ Hz		2.1
		D 150 at 10 ⁶ Hz		2.1
	Dielectric dissipation factor	D 150 at 10 ³ Hz		0.0001
		D 150 at 10 ⁶ Hz		0.0008
	Dielectric strength	D 149	Volt/mil	2 000
	Volume resistivity	D 257	Ohm • cm	> 10 ¹⁸
Environmental	Water absorption	D 570	%	< 0.01
	Weather resistance			Excellent
	Oxygen index	D 2863	%	> 95
	Flammability	UL 94		V-0
Mechanical	Tensile strength	D 1708, D 638	MPa	24.1
	Elongation	D 1708, D 638	%	300
	Compressive strength	D 695	MPa	15.2
	Impact strength	D 256 at 23°C	Ft-Lb/in	No Break
	Flexural modulus	D 790 at 23°C	MPa	654.6
	Tensile modulus	D 638	MPa	344.5
	Hardness	D 2240		D-55
Thermal	Melting point		°C	270
			°F	518
	Thermal conductivity	C-177	BTU/hr/ft ² /°F.in	1.4
	Deflection temperature			
	66 psi	D 648	°C	59
	264 psi	D 648	°C	57
	Deflection temperature			
	66 psi	D 648	°F	138
	264 psi	D 648	°F	134

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