

DUAL LAYER TUBING

Optinova Dual Layer Tubing consists of an inner and outer layer, i.e. liner and jacket. While the liner is chemically inert to most industrial fluids and gasses, the jacket is resistant to weak acids and bases.

KEY ADVANTAGES

- PTFE, PFA, FEP and ETFE are used for inner layers, whereas outer layers can be made of different thermoplastic materials.
- No plasticizer is used, thus no fluid leaching.
- Cost-efficient compared to full fluoropolymer
- FDA compliant, easy to clean and does not absorb

Optinova Dual Layer Tubing operates optimally at -32°C to 82°C and complies with EPA SEDSPROC-301-R1. All materials used in production are top quality resins without PFOA surfactant and can meet your specific requirements.

APPLICATIONS

- Fluid handling tubing where fluoropolymer is needed for purity and clarity
- Liner for hose constructions
- Groundwater sampling in environmental research and studies
- Thermoplastic tubing where fluoropolymer inner layer is needed for chemical resistance

DIMENSIONS

Optinova Dual Layer Tubing is available in a variety of sizes and material combinations. Other dimensions are available upon request. We aim to find custom solutions for your design challenge.

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

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STANDARD SIZES

OD inch (mm)	ID inch (mm)	Liner thickness inch (mm)	Bending Radius Inch (mm)	Max pressure at 70°F / 21°C
¼ (6,35)	1/8 (3,18)	0,010 (0,25)	1,00 (25,40)	85 psi / 5,86 bar
¼ (6,35)	0,170 (4,32)	0,010 (0,25)	1,50 (38,10)	80 psi / 5,51 bar
¼ (6,35)	3/16 (4,76)	0,010 (0,25)	2,00 (50,80)	80 psi / 5,51 bar
5/16 (7,94)	¼ (6,35)	0,010 (0,25)	2,00 (50,80)	75 psi / 5,17 bar
3/8 (9,53)	¼ (6,35)	0,010 (0,25)	2,00 (50,80)	70 psi / 4,82 bar
7/16 (11,11)	3/8 (9,53)	0,012 (0,30)	3,50 (88,90)	55 psi / 3,79 bar
½ (12,70)	3/8 (9,53)	0,012 (0,30)	3,50 (88,90)	50 psi / 3,44 bar
5/8 (15,88)	½ (12,70)	0,012 (0,30)	6,00 (152,40)	50 psi / 3,44 bar

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