



In 5 standard colors for the highest chemical resistance

#### **High chemical resistant Tubing in different colors with longest service life**

An extremely high, almost universal resistance to acids and alkalis, solvents and gases combined with the option of color coding for easy identification of different media or diameters. Easy to install and connect thanks to color coding.

Oxygen, ozone and UV light have practically no effect, which is why the material does not age.

#### **The extremely wide temperature range enables thermal disinfection**

Colored Optiflon PTFE Tubing can be used in a temperature range from -200°C to +260°C. Normally they are neither combustible nor flammable.

#### **Approvals**

Colored Optiflon PTFE tubing is made from FDA approved materials.

#### **Low friction resistance/friction coefficient**

Optiflon PTFE hoses have very good sliding properties. This makes them ideal for guiding fixed components in plant engineering and automation.

*\*Special colors and dimensions upon request*

#### **Features and Benefits**

- 5 standard colors\*
- -200°C to +260°C
- almost universal highest chemical resistance
- excellent gliding and Non-stick properties
- neither flammable nor flammable
- is not subject to any aging process

#### **Typical Applications**

- Sliding guides in plant engineering
- Food and beverages
- Bowden cables in the automotive sector
- Parts supply in systems and production

### Typical Physical Properties of Optiflon PTFE Tube colored

Property	Value
Hardness	60° Shore D
Color	blue, yellow, green, red, black
Specific Gravity	2,15
Max. Working Temperature	+260°C
Min. Working Temperature	-200°C
Melting Point	+327°C
Tensile Strenght	24 N/mm <sup>2</sup> (3.500 psi)
Water absorption	<0,01%
Dielectric Strenght	>1.400 V/mm
Thermal Conductivity	1,7 BTU/hr/ft <sup>2</sup> /°F.in
Elongation	300,00%

### Optiflon PTFE colored standard sizes

Part-no.	Color	ID	OD	Wand	Min. Bend Radius	Max. Working Pressure* 22°C (73°F)	Max. Working Pressure* 75°C (167°F)	Max. Working Pressure* 100°C (212°F)	Max. Working Pressure* 150°C (302°F)	Max. Working Pressure* 250°C (482°F)
PT2,OBL4,0	blue	2,0 mm	4,0 mm	1,0 mm	9,0 mm	20 bar	15,4 bar	13,6 bar	10,6 bar	5,6 bar
PT2,OGL4,0	yellow	2,0 mm	4,0 mm	1,0 mm	9,0 mm	20 bar	15,4 bar	13,6 bar	10,6 bar	5,6 bar
PT2,OGN4,0	green	2,0 mm	4,0 mm	1,0 mm	9,0 mm	20 bar	15,4 bar	13,6 bar	10,6 bar	5,6 bar
PT2,ORT4,0	red	2,0 mm	4,0 mm	1,0 mm	9,0 mm	20 bar	15,4 bar	13,6 bar	10,6 bar	5,6 bar
PT2,OSW4,0	black	2,0 mm	4,0 mm	1,0 mm	9,0 mm	20 bar	15,4 bar	13,6 bar	10,6 bar	5,6 bar
PT4,OBL6,0	blue	4,0 mm	6,0 mm	1,0 mm	25,0 mm	12 bar	9,2 bar	8,1 bar	6,3 bar	3,3 bar
PT4,OGL6,0	yellow	4,0 mm	6,0 mm	1,0 mm	25,0 mm	12 bar	9,2 bar	8,1 bar	6,3 bar	3,3 bar
PT4,OGN6,0	green	4,0 mm	6,0 mm	1,0 mm	25,0 mm	12 bar	9,2 bar	8,1 bar	6,3 bar	3,3 bar
PT4,ORT6,0	red	4,0 mm	6,0 mm	1,0 mm	25,0 mm	12 bar	9,2 bar	8,1 bar	6,3 bar	3,3 bar
PT4,OSW6,0	black	4,0 mm	6,0 mm	1,0 mm	25,0 mm	12 bar	9,2 bar	8,1 bar	6,3 bar	3,3 bar
PT6,OBL8,0	blue	6,0 mm	8,0 mm	1,0 mm	49,0 mm	8,7 bar	6,7 bar	5,9 bar	4,6 bar	2,4 bar
PT6,OGL8,0	yellow	6,0 mm	8,0 mm	1,0 mm	49,0 mm	8,7 bar	6,7 bar	5,9 bar	4,6 bar	2,4 bar
PT6,OGN8,0	green	6,0 mm	8,0 mm	1,0 mm	49,0 mm	8,7 bar	6,7 bar	5,9 bar	4,6 bar	2,4 bar
PT6,ORT8,0	red	6,0 mm	8,0 mm	1,0 mm	49,0 mm	8,7 bar	6,7 bar	5,9 bar	4,6 bar	2,4 bar
PT6,OSW8,0	black	6,0 mm	8,0 mm	1,0 mm	49,0 mm	8,7 bar	6,7 bar	5,9 bar	4,6 bar	2,4 bar
PT8,OBL10,0	blue	8,0 mm	10,0 mm	1,0 mm	81,0 mm	7,0 bar	5,3 bar	4,7 bar	3,7 bar	1,9 bar
PT8,OGL10,0	yellow	8,0 mm	10,0 mm	1,0 mm	81,0 mm	7,0 bar	5,3 bar	4,7 bar	3,7 bar	1,9 bar
PT8,OGN10,0	green	8,0 mm	10,0 mm	1,0 mm	81,0 mm	7,0 bar	5,3 bar	4,7 bar	3,7 bar	1,9 bar
PT8,ORT10,0	red	8,0 mm	10,0 mm	1,0 mm	81,0 mm	7,0 bar	5,3 bar	4,7 bar	3,7 bar	1,9 bar

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Part-no.	Color	ID	OD	Wand	Min. Bend Radius	Max. Working Pressure* 22°C (73°F)	Max. Working Pressure* 75°C (167°F)	Max. Working Pressure* 100°C (212°F)	Max. Working Pressure* 150°C (302°F)	Max. Working Pressure* 250°C (482°F)
PT8,0SW10,0	black	8,0 mm	10,0 mm	1,0 mm	81,0 mm	7,0 bar	5,3 bar	4,7 bar	3,7 bar	1,9 bar
PT10,0BL12,0	blue	10,0 mm	12,0 mm	1,0 mm	121,0 mm	5,5 bar	4,2 bar	3,7 bar	2,9 bar	1,5 bar
PT10,0BL12,0	yellow	10,0 mm	12,0 mm	1,0 mm	121,0 mm	5,5 bar	4,2 bar	3,7 bar	2,9 bar	1,5 bar
PT10,0BL12,0	green	10,0 mm	12,0 mm	1,0 mm	121,0 mm	5,5 bar	4,2 bar	3,7 bar	2,9 bar	1,5 bar
PT10,0BL12,0	red	10,0 mm	12,0 mm	1,0 mm	121,0 mm	5,5 bar	4,2 bar	3,7 bar	2,9 bar	1,5 bar
PT10,0BL12,0	black	10,0 mm	12,0 mm	1,0 mm	121,0 mm	5,5 bar	4,2 bar	3,7 bar	2,9 bar	1,5 bar

\*Working pressure calculated at a ratio of 1:4 to the burst pressure