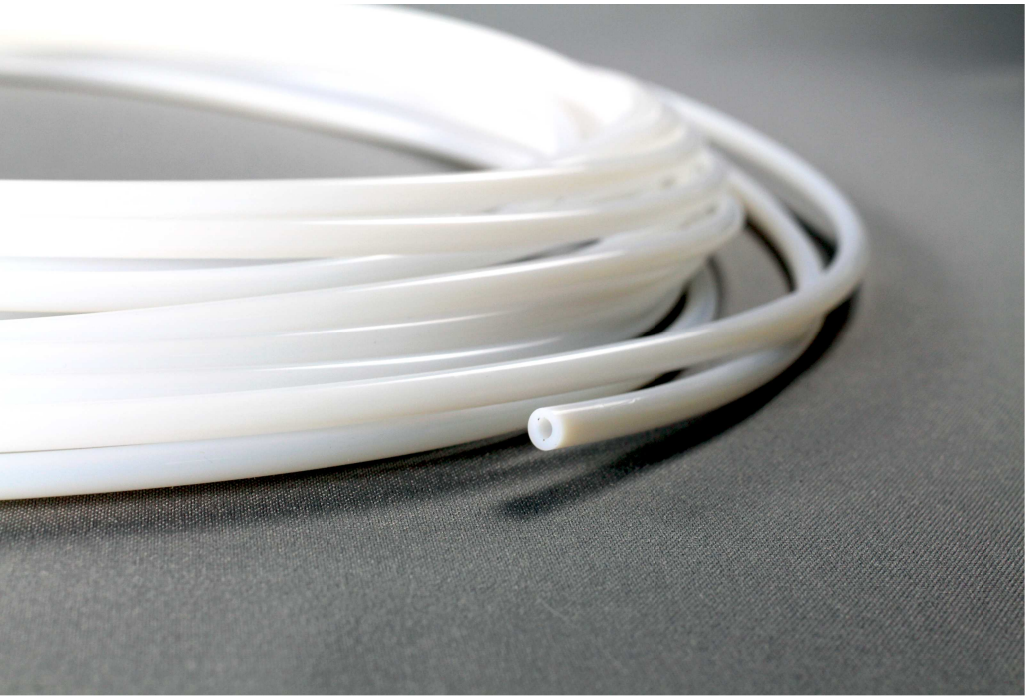
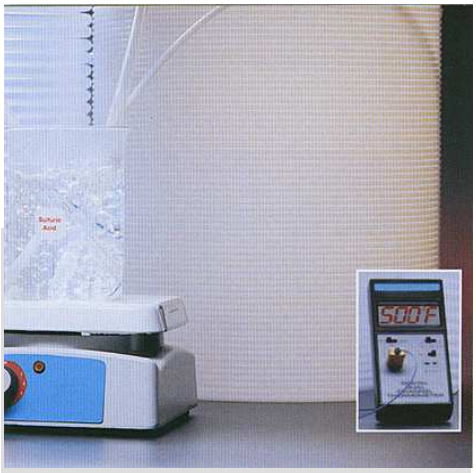
OPTUBUS
Fluid Transfer Components

OPTU® fluor PTFE

High chemical and Temperature Resistant



Chemical Resistance for high Temperature



Excellent Chemical Resistance

This fully fluorinated Fluorpolymer Tubing provides outstanding almost universal Resistance against acids and bases, solvents and gases.
Oxygen, Ozone and UV-Light don't have an effect.

Extreme High Temperature

Depending on mechanical or chemical stress OPTU®fluor PTFE Tube can be used from -200°C up to +260°C. Its not flameable.

Physiologically Harmless

Free of extractable substances, OPTU®fluor PTFE Tubing is physiologically harmless, biocompatible and autoclavable.

Outstanding Sliding Properties

The Surface of OPTU®fluor PTFE Tube provides a the lowest frictional coefficient. This makes it the first choice for sliding-glide appications in production and plant construction.

Features and Benefits

- -200°C to +260°C
- almost universal chemical Resistance
- outstanding sliding- and non-stick applications
- not flameable

Typical Applications

- Analytic and Chemical Industries
- medical engineering
- food and bevarage
- bowden cable in cars
- parts supply in production and plant engineering

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OPTU® fluor PTFE

High chemical and Temperature Resistant

Tyical Physical Properties of OPTU®fluor PTFE Tubing

Property	Value
Hardness	60° Shore D
Color	white
Specific Gravity	2,15
Max. Working Temperature	+260°C
Min. Working Temperature	-200°C
Melting Point	+327°C
Tensile Strenght	24 N/mm^2 (3.500 psi)
Water absorption	<0,01%
Dielectric Strenght	>1.400 V/mm
Thermal Conductivity	1,7 BTU/hr/ft2/°F.in
Elongation	300,00%

OPTU®fluor PTFE Standard Sizes

Part no.	ID	OD	Wall
PT0,51WS1,59	0,51 mm (0.02")	1,59 mm (1/16")	0,54 mm
PT0,79WS1,59	0,79 mm (1/32")	1,59 mm (1/16")	0,4 mm
PT1,0WS1,59	1,0 mm	1,59 mm (1/16")	0,3 mm
PT1,0WS2,0	1,0 mm	2,0 mm	0,5 mm
PT1,0WS3,0	1,0 mm	3,0 mm	1,0 mm
PT1,5WS2,5	1,5 mm	2,5 mm	0,5 mm
PT1,5WS3,0	1,5 mm	3,0 mm	0,75 mm
PT1,5WS3,5	1,5 mm	3,5 mm	1,0 mm
PT1,59WS3,18	1,59 mm (1/16")	3,18 mm (1/8")	0,79 mm (1/32")
PT1,59WS4,76	1,59 mm (1/16")	4,76 mm (3/16")	1,59 mm (1/16")
PT2,0WS3,0	2,0 mm	3,0 mm	0,5 mm
PT2,0WS4,0	2,0 mm	4,0 mm	1,0 mm
PT2,38WS3,18	2,38 mm (3/32")	3,18 mm (1/8")	0,40 mm (1/64")
PT2,5WS3,5	2,5 mm	3,5 mm	0,5 mm
PT2,5WS4,0	2,5 mm	4,0 mm	0,75 mm
PT2,5WS4,5	2,5 mm	4,5 mm	1,0 mm
PT3,0WS4,0	3,0 mm	4,0 mm	0,5 mm
PT3,0WS4,5	3,0 mm	4,5 mm	0,75 mm
PT3,0WS5,0	3,0 mm	5,0 mm	1,0 mm
PT3,18WS3,97	3,18 mm (1/8")	3,97 mm (5/32")	0,40 mm (1/64")
PT3,18WS4,76	3,18 mm (1/8")	4,76 mm (3/16")	0,79 mm (1/32")
PT3,18WS6,35	3,18 mm (1/8")	6,35 mm (1/4")	1,59 mm (1/16")

Part no.	ID	OD	Wall
PT7,0WS10,0	7,0 mm	10,0 mm	1,5 mm
PT7,5WS9,5	7,5 mm	9,5 mm	1,0 mm
PT7,94WS9,53	7,94 mm (5/16")	9,53 mm (3/8")	1,59 mm (1/16")
PT8,0WS9,0	8,0 mm	9,0 mm	0,5 mm
PT8,0WS9,5	8,0 mm	9,5 mm	0,75 mm
PT8,0WS10,0	8,0 mm	10,0 mm	1,0 mm
PT8,0WS12,0	8,0 mm	12,0 mm	2,0 mm
PT8,5WS10,5	8,5 mm	10,5 mm	1,0 mm
PT9,0WS10,0	9,0 mm	10,0 mm	0,5 mm
PT9,0WS10,5	9,0 mm	10,5 mm	0,75 mm
PT9,0WS11,0	9,0 mm	11,0 mm	1,0 mm
PT9,0WS12,0	9,0 mm	12,0 mm	1,5 mm
PT9,53WS11,1	9,53 mm (3/8")	11,11 mm (7/16")	0,79 mm (1/32")
PT9,53WS12,7	9,53 mm (3/8")	12,7 mm (1/2")	1,59 mm (1/16")
PT10,0WS11,0	10,0 mm	11,0 mm	0,5 mm
PT10,0WS12,0	10,0 mm	12,0 mm	1,0 mm
PT10,0WS13,0	10,0 mm	13,0 mm	1,5 mm
PT10,0WS14,0	10,0 mm	14,0 mm	2,0 mm
PT10,0WS15,0	10,0 mm	15,0 mm	2,5 mm
PT11,0WS13,0	11,0 mm	13,0 mm	1,0 mm
PT11,1WS12,7	11,11 mm (7/16")	12,7 mm (1/2")	0,79 mm (1/32")
PT12,0WS14,0	12,0 mm	14,0 mm	1,0 mm

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PT3,5WS4,5	3,5 mm	4,5 mm	0,5 mm	PT12,0WS15,0	12,0 mm	15,0 mm	1,5 mm
PT3,5WS5,0	3,5 mm	5,0 mm	0,75 mm	PT12,0WS16,0	12,0 mm	16,0 mm	2,0 mm
PT3,5WS5,5	3,5 mm	5,5 mm	1,0 mm	PT12,7WS14,29	12,7 mm (1/2“)	14,29 mm (9/16“)	0,79 mm (1/32“)
PT4,0WS5,0	4,0 mm	5,0 mm	0,5 mm	PT12,7WS15,88	12,7 mm (1/2“)	15,88 mm (5/8“)	1,59 mm (1/16“)
PT4,0WS5,5	4,0 mm	5,5 mm	0,75 mm	PT14,0WS16,0	14,0 mm	16,0 mm	1,0 mm
PT4,0WS6,0	4,0 mm	6,0 mm	1,0 mm	PT14,0WS17,0	14,0 mm	17,0 mm	1,5 mm
PT4,0WS7,0	4,0 mm	7,0 mm	1,5 mm	PT14,0WS18,0	14,0 mm	18,0 mm	2,0 mm
PT4,5WS6,5	4,5 mm	6,5 mm	1,0 mm	PT14,29WS15,88	14,29 mm (9/16“)	15,88 mm (5/8“)	0,79 mm (1/32“)
PT4,76WS6,35	4,76 mm (3/16“)	6,35 mm (1/4“)	0,79 mm (1/32“)	PT15,0WS17,0	15,0 mm	17,0 mm	1,0 mm
PT4,76WS7,94	4,76 mm (3/16“)	7,94 mm (5/16“)	1,59 mm (1/16“)	PT15,0WS18,0	15,0 mm	18,0 mm	1,5 mm
PT5,0WS6,0	5,0 mm	6,0 mm	0,5 mm	PT15,88WS17,46	15,88 mm (5/8“)	17,46 mm (11/16“)	0,79 mm (1/32“)
PT5,0WS6,5	5,0 mm	6,5 mm	0,75 mm	PT15,88WS19,05	15,88 mm (5/8“)	19,05 mm (3/4“)	1,59 mm (1/16“)
PT5,0WS7,0	5,0 mm	7,0 mm	1,0 mm	PT16,0WS18,0	16,0 mm	18,0 mm	1,0 mm
PT5,0WS8,0	5,0 mm	8,0 mm	1,5 mm	PT16,0WS19,0	16,0 mm	19,0 mm	1,5 mm
PT5,0WS9,0	5,0 mm	9,0 mm	2,0 mm	PT16,0WS20,0	16,0 mm	20,0 mm	2,0 mm
PT5,5WS7,5	5,5 mm	7,5 mm	1,0 mm	PT16,5WS19,5	16,5 mm	19,5 mm	1,5 mm
PT6,0WS7,0	6,0 mm	7,0 mm	0,5 mm	PT17,0WS20,0	17,0 mm	20,0 mm	1,5 mm
PT6,0WS8,0	6,0 mm	8,0 mm	1,5 mm	PT17,46WS19,05	17,46 mm (11/16“)	19,05 mm (3/4“)	0,79 mm (1/32“)
PT6,0WS9,0	6,0 mm	9,0 mm	1,5 mm	PT18,0WS20,0	18,0 mm	20,0 mm	1,0 mm
PT6,0WS10,0	6,0 mm	10,0 mm	2,0 mm	PT18,0WS21,0	18,0 mm	21,0 mm	1,5 mm
PT6,35WS7,94	6,35 mm (1/4“)	7,94 mm (5/16“)	0,79 mm (1/32“)	PT18,0WS22,0	18,0 mm	22,0 mm	2,0 mm
PT6,35WS9,53	6,35 mm (1/4“)	9,53 mm (3/8“)	1,59 mm (1/16“)	PT19,0WS21,0	19,0 mm	21,0 mm	1,0 mm
PT6,35WS12,7	6,35 mm (1/4“)	12,7 mm (1/2“)	3,18 mm (1/8“)	PT19,0WS22,0	19,0 mm	22,0 mm	1,5 mm
PT7,0WS8,0	7,0 mm	8,0 mm	0,5 mm	PT19,05WS22,23	19,05 mm (3/4“)	22,23 mm (7/8“)	1,59 mm (1/16“)
PT7,0WS9,0	7,0 mm	9,0 mm	1,0 mm				

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