

chemical Resistance for high Temperature

Excellent Chemical Resistance

This fully fluorinated Fluoropolymer 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

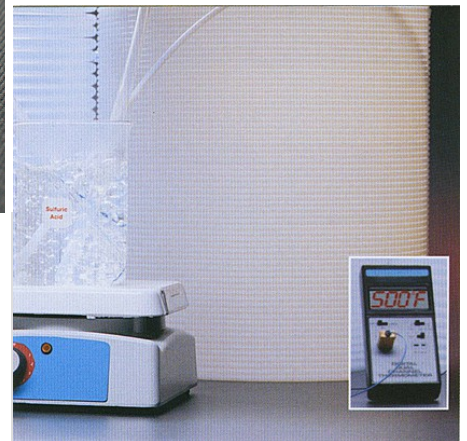
Depending on mechanical or chemical stress Optiflon PTFE Tube can be used from -200°C up to +260°C. Its not flameable.

Physiologically Harmless

Free of extractable substances, Optiflon PTFE Tubing is physiologically harmless, biocompatible and autoclavable.

Outstanding Sliding Properties

The Surface of Optiflon PTFE Tube provides a the lowest frictional coefficient. This makes it the first choice for sliding-glide applications 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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Typical Physical Properties of Optiflon 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 Strength	24 N/mm ² (3.500 psi)
Water absorption	<0,01%
Dielectric Strength	>1.400 V/mm
Thermal Conductivity	1,7 BTU/hr/ft ² /°F.in
Elongation	300,00%

Optiflon PTFE Standard Sizes

Part no.	ID	OD	Wall	Part no.	ID	OD	Wall
PT0,51WS1,59	0,51 mm (0.02")	1,59 mm (1/16")	0,54 mm	PT7,0WS10,0	7,0 mm	10,0 mm	1,5 mm
PT0,79WS1,59	0,79 mm (1/32")	1,59 mm (1/16")	0,4 mm	PT7,5WS9,5	7,5 mm	9,5 mm	1,0 mm
PT1,0WS1,59	1,0 mm	1,59 mm (1/16")	0,3 mm	PT7,94WS9,53	7,94 mm (5/16")	9,53 mm (3/8")	1,59 mm (1/16")
PT1,0WS2,0	1,0 mm	2,0 mm	0,5 mm	PT8,0WS9,0	8,0 mm	9,0 mm	0,5 mm
PT1,0WS3,0	1,0 mm	3,0 mm	1,0 mm	PT8,0WS9,5	8,0 mm	9,5 mm	0,75 mm
PT1,5WS2,5	1,5 mm	2,5 mm	0,5 mm	PT8,0WS10,0	8,0 mm	10,0 mm	1,0 mm
PT1,5WS3,0	1,5 mm	3,0 mm	0,75 mm	PT8,0WS12,0	8,0 mm	12,0 mm	2,0 mm
PT1,5WS3,5	1,5 mm	3,5 mm	1,0 mm	PT8,5WS10,5	8,5 mm	10,5 mm	1,0 mm
PT1,59WS3,18	1,59 mm (1/16")	3,18 mm (1/8")	0,79 mm (1/32")	PT9,0WS10,0	9,0 mm	10,0 mm	0,5 mm
PT1,59WS4,76	1,59 mm (1/16")	4,76 mm (3/16")	1,59 mm (1/16")	PT9,0WS10,5	9,0 mm	10,5 mm	0,75 mm
PT2,0WS3,0	2,0 mm	3,0 mm	0,5 mm	PT9,0WS11,0	9,0 mm	11,0 mm	1,0 mm
PT2,0WS4,0	2,0 mm	4,0 mm	1,0 mm	PT9,0WS12,0	9,0 mm	12,0 mm	1,5 mm
PT2,38WS3,18	2,38 mm (3/32")	3,18 mm (1/8")	0,40 mm (1/64")	PT9,53WS11,1	9,53 mm (3/8")	11,11 mm (7/16")	0,79 mm (1/32")
PT2,5WS3,5	2,5 mm	3,5 mm	0,5 mm	PT9,53WS12,7	9,53 mm (3/8")	12,7 mm (1/2")	1,59 mm (1/16")
PT2,5WS4,0	2,5 mm	4,0 mm	0,75 mm	PT10,0WS11,0	10,0 mm	11,0 mm	0,5 mm
PT2,5WS4,5	2,5 mm	4,5 mm	1,0 mm	PT10,0WS12,0	10,0 mm	12,0 mm	1,0 mm
PT3,0WS4,0	3,0 mm	4,0 mm	0,5 mm	PT10,0WS13,0	10,0 mm	13,0 mm	1,5 mm
PT3,0WS4,5	3,0 mm	4,5 mm	0,75 mm	PT10,0WS14,0	10,0 mm	14,0 mm	2,0 mm
PT3,0WS5,0	3,0 mm	5,0 mm	1,0 mm	PT10,0WS15,0	10,0 mm	15,0 mm	2,5 mm
PT3,18WS3,97	3,18 mm (1/8")	3,97 mm (5/32")	0,40 mm (1/64")	PT11,0WS13,0	11,0 mm	13,0 mm	1,0 mm
PT3,18WS4,76	3,18 mm (1/8")	4,76 mm (3/16")	0,79 mm (1/32")	PT11,1WS12,7	11,11 mm (7/16")	12,7 mm (1/2")	0,79 mm (1/32")

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PT3,18WS6,35	3,18 mm (1/8")	6,35 mm (1/4")	1,59 mm (1/16")	PT12,0WS14,0	12,0 mm	14,0 mm	1,0 mm
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				