



Resistance, Low-cost and Robust Tubing



Low-Cost Solution for a wide range of Application

Extreme low waterabsorption, low specific weight, high impact resistance, stress crack resistance, good dielectric properties, flexibility, good wear resistance, recyclable and a good chemical resistance as well as a very good cost-efficiency make this tubing your best choice for many applications in different industries.

Control line, laboratory technology, air and pneumatic lines, apparatus and tank construction, building installation, irrigation systems, disposable products, wire sheathing, drinking water facility, osmosis plant, water filter, waste water lines... just to mention some.

Specific Qualities and Custom-Made Products mostly at low order quantities

UV-stabilized for longer life, suitability for drinking water (DVGW-W270, KTW, NSF and WRAS), medical, hydrolysis and microorganism resistant, different colors or dimensions,... please send us your request.

Features and Benefits

- taste and odor free
- low Waterabsorption
- flexible
- recyclable
- good chemical resistance

Typical Applications

- Food and Beverage Industry
- drinking water lines
- wire sheathing
- Pool and Spa supply lines
- Pneumatic
- disposable products
- building installations
- watering

OPTU®flex Polyethylen Standard Sizes

part number	color	ID	OD	Wall	Min. Bend Radius	Max. Working Pressure 20°C (68°F)	Max. Working Pressure 40°C (104°F)
PE2,0NA4,0	Natural	2,0 mm	4,0 mm	1,0 mm	20 mm	20 bar	14,4 bar
PE2,0BL4,0	Blue	2,0 mm	4,0 mm	1,0 mm	20 mm	20 bar	14,4 bar
PE2,0RT4,0	Red	2,0 mm	4,0 mm	1,0 mm	20 mm	20 bar	14,4 bar
PE2,0SW4,0	Black	2,0 mm	4,0 mm	1,0 mm	20 mm	20 bar	14,4 bar
PE2,0GN4,0	Green	2,0 mm	4,0 mm	1,0 mm	20 mm	20 bar	14,4 bar
PE2,0GL4,0	Yellow	2,0 mm	4,0 mm	1,0 mm	20 mm	20 bar	14,4 bar
PE2,0GR4,0	Grey	2,0 mm	4,0 mm	1,0 mm	20 mm	20 bar	14,4 bar
PE2,5NA4,0	Natural	2,5 mm	4,0 mm	0,75 mm	20 mm	14 bar	10,1 bar
PE2,5BL4,0	Blue	2,5 mm	4,0 mm	0,75 mm	20 mm	14 bar	10,1 bar
PE2,5RT4,0	Red	2,5 mm	4,0 mm	0,75 mm	20 mm	14 bar	10,1 bar
PE2,5SW4,0	Black	2,5 mm	4,0 mm	0,75 mm	20 mm	14 bar	10,1 bar
PE2,5GN4,0	Green	2,5 mm	4,0 mm	0,75 mm	20 mm	14 bar	10,1 bar
PE2,5GL4,0	Yellow	2,5 mm	4,0 mm	0,75 mm	20 mm	14 bar	10,1 bar
PE2,5GR4,0	Grey	2,5 mm	4,0 mm	0,75 mm	20 mm	14 bar	10,1 bar
PE2,7NA4,0	Natural	2,7 mm	4,0 mm	0,65 mm	20 mm	13 bar	9,4 bar
PE2,7BL4,0	Blue	2,7 mm	4,0 mm	0,65 mm	20 mm	13 bar	9,4 bar
PE2,7RT4,0	Red	2,7 mm	4,0 mm	0,65 mm	20 mm	13 bar	9,4 bar
PE2,7SW4,0	Black	2,7 mm	4,0 mm	0,65 mm	20 mm	13 bar	9,4 bar
PE2,7GN4,0	Green	2,7 mm	4,0 mm	0,65 mm	20 mm	13 bar	9,4 bar
PE2,7GL4,0	Yellow	2,7 mm	4,0 mm	0,65 mm	20 mm	13 bar	9,4 bar
PE2,7GR4,0	Grey	2,7 mm	4,0 mm	0,65 mm	20 mm	13 bar	9,4 bar
PE3,0NA4,3	Natural	3,0 mm	4,3 mm	0,65 mm	20 mm	13 bar	9,4 bar
PE3,0BL4,3	Blue	3,0 mm	4,3 mm	0,65 mm	20 mm	13 bar	9,4 bar
PE3,0RT4,3	Red	3,0 mm	4,3 mm	0,65 mm	20 mm	13 bar	9,4 bar
PE3,0SW4,3	Black	3,0 mm	4,3 mm	0,65 mm	20 mm	13 bar	9,4 bar
PE3,0GN4,3	Green	3,0 mm	4,3 mm	0,65 mm	20 mm	13 bar	9,4 bar
PE3,0GL4,3	Yellow	3,0 mm	4,3 mm	0,65 mm	20 mm	13 bar	9,4 bar
PE3,0GR4,3	Grey	3,0 mm	4,3 mm	0,65 mm	20 mm	13 bar	9,4 bar
PE3,0NA5,0	Natural	3,0 mm	5,0 mm	1,0 mm	25 mm	15 bar	10,8 bar
PE3,0BL5,0	Blue	3,0 mm	5,0 mm	1,0 mm	25 mm	15 bar	10,8 bar
PE3,0RT5,0	Red	3,0 mm	5,0 mm	1,0 mm	25 mm	15 bar	10,8 bar
PE3,0SW5,0	Black	3,0 mm	5,0 mm	1,0 mm	25 mm	15 bar	10,8 bar
PE3,0GN5,0	Green	3,0 mm	5,0 mm	1,0 mm	25 mm	15 bar	10,8 bar
PE3,0GL5,0	Yellow	3,0 mm	5,0 mm	1,0 mm	25 mm	15 bar	10,8 bar
PE3,0GR5,0	Grey	3,0 mm	5,0 mm	1,0 mm	25 mm	15 bar	10,8 bar

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part number	color	ID	OD	Wall	Min. Bend Radius	Max. Working Pressure 20°C (68°F)	Max. Working Pressure 40°C (104°F)
PE4,0NA6,0	Natural	4,0 mm	6,0 mm	1,0 mm	30 mm	13 bar	9,4 bar
PE4,0BL6,0	Blue	4,0 mm	6,0 mm	1,0 mm	30 mm	13 bar	9,4 bar
PE4,0RT6,0	Red	4,0 mm	6,0 mm	1,0 mm	30 mm	13 bar	9,4 bar
PE4,0SW6,0	Black	4,0 mm	6,0 mm	1,0 mm	30 mm	13 bar	9,4 bar
PE4,0GN6,0	Green	4,0 mm	6,0 mm	1,0 mm	30 mm	13 bar	9,4 bar
PE4,0GL6,0	Yellow	4,0 mm	6,0 mm	1,0 mm	30 mm	13 bar	9,4 bar
PE4,0GR6,0	Grey	4,0 mm	6,0 mm	1,0 mm	30 mm	13 bar	9,4 bar
PE5,0NA8,0	Natural	5,0 mm	8,0 mm	1,5 mm	40 mm	13 bar	9,4 bar
PE5,0BL8,0	Blue	5,0 mm	8,0 mm	1,5 mm	40 mm	13 bar	9,4 bar
PE5,0RT8,0	Red	5,0 mm	8,0 mm	1,5 mm	40 mm	13 bar	9,4 bar
PE5,0SW8,0	Black	5,0 mm	8,0 mm	1,5 mm	40 mm	13 bar	9,4 bar
PE5,0GN8,0	Green	5,0 mm	8,0 mm	1,5 mm	40 mm	13 bar	9,4 bar
PE5,0GL8,0	Yellow	5,0 mm	8,0 mm	1,5 mm	40 mm	13 bar	9,4 bar
PE5,0GR8,0	Grey	5,0 mm	8,0 mm	1,5 mm	40 mm	13 bar	9,4 bar
PE6,0NA8,0	Natural	6,0 mm	8,0 mm	1,0 mm	40 mm	8 bar	5,8 bar
PE6,0BL8,0	Blue	6,0 mm	8,0 mm	1,0 mm	40 mm	8 bar	5,8 bar
PE6,0RT8,0	Red	6,0 mm	8,0 mm	1,0 mm	40 mm	8 bar	5,8 bar
PE6,0SW8,0	Black	6,0 mm	8,0 mm	1,0 mm	40 mm	8 bar	5,8 bar
PE6,0GN8,0	Green	6,0 mm	8,0 mm	1,0 mm	40 mm	8 bar	5,8 bar
PE6,0GL8,0	Yellow	6,0 mm	8,0 mm	1,0 mm	40 mm	8 bar	5,8 bar
PE6,0GR8,0	Grey	6,0 mm	8,0 mm	1,0 mm	40 mm	8 bar	5,8 bar
PE6,0NA9,0	Natural	6,0 mm	9,0 mm	1,5 mm	45 mm	12 bar	8,7 bar
PE6,0BL9,0	Blue	6,0 mm	9,0 mm	1,5 mm	45 mm	12 bar	8,7 bar
PE6,0RT9,0	Red	6,0 mm	9,0 mm	1,5 mm	45 mm	12 bar	8,7 bar
PE6,0SW9,0	Black	6,0 mm	9,0 mm	1,5 mm	45 mm	12 bar	8,7 bar
PE6,0GN9,0	Green	6,0 mm	9,0 mm	1,5 mm	45 mm	12 bar	8,7 bar
PE6,0GL9,0	Yellow	6,0 mm	9,0 mm	1,5 mm	45 mm	12 bar	8,7 bar
PE6,0GR9,0	Grey	6,0 mm	9,0 mm	1,5 mm	45 mm	12 bar	8,7 bar
PE6,0NA10,0	Natural	6,0 mm	10,0 mm	2,0 mm	50 mm	15 bar	10,8 bar
PE6,0BL10,0	Blue	6,0 mm	10,0 mm	2,0 mm	50 mm	15 bar	10,8 bar
PE6,0RT10,0	Red	6,0 mm	10,0 mm	2,0 mm	50 mm	15 bar	10,8 bar
PE6,0SW10,0	Black	6,0 mm	10,0 mm	2,0 mm	50 mm	15 bar	10,8 bar
PE6,0GN10,0	Green	6,0 mm	10,0 mm	2,0 mm	50 mm	15 bar	10,8 bar
PE6,0GL10,0	Yellow	6,0 mm	10,0 mm	2,0 mm	50 mm	15 bar	10,8 bar
PE6,0GR10,0	Grey	6,0 mm	10,0 mm	2,0 mm	50 mm	15 bar	10,8 bar
PE7,0NA10,0	Natural	7,0 mm	10,0 mm	1,5 mm	50 mm	10 bar	7,2 bar

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part number	color	ID	OD	Wall	Min. Bend Radius	Max. Working Pressure 20°C (68°F)	Max. Working Pressure 40°C (104°F)
PE7,0BL10,0	Blue	7,0 mm	10,0 mm	1,5 mm	50 mm	10 bar	7,2 bar
PE7,0RT10,0	Red	7,0 mm	10,0 mm	1,5 mm	50 mm	10 bar	7,2 bar
PE7,0SW10,0	Black	7,0 mm	10,0 mm	1,5 mm	50 mm	10 bar	7,2 bar
PE7,0GN10,0	Green	7,0 mm	10,0 mm	1,5 mm	50 mm	10 bar	7,2 bar
PE7,0GL10,0	Yellow	7,0 mm	10,0 mm	1,5 mm	50 mm	10 bar	7,2 bar
PE7,0GR10,0	Grey	7,0 mm	10,0 mm	1,5 mm	50 mm	10 bar	7,2 bar
PE8,0NA10,0	Natural	8,0 mm	10,0 mm	1,0 mm	60 mm	6 bar	4,3 bar
PE8,0BL10,0	Blue	8,0 mm	10,0 mm	1,0 mm	60 mm	6 bar	4,3 bar
PE8,0RT10,0	Red	8,0 mm	10,0 mm	1,0 mm	60 mm	6 bar	4,3 bar
PE8,0SW10,0	Black	8,0 mm	10,0 mm	1,0 mm	60 mm	6 bar	4,3 bar
PE8,0GN10,0	Green	8,0 mm	10,0 mm	1,0 mm	60 mm	6 bar	4,3 bar
PE8,0GL10,0	Yellow	8,0 mm	10,0 mm	1,0 mm	60 mm	6 bar	4,3 bar
PE8,0GR10,0	Grey	8,0 mm	10,0 mm	1,0 mm	60 mm	6 bar	4,3 bar
PE8,0NA12,0	Natural	8,0 mm	12,0 mm	2,0 mm	60 mm	9 bar	6,5 bar
PE8,0BL12,0	Blue	8,0 mm	12,0 mm	2,0 mm	60 mm	9 bar	6,5 bar
PE8,0RT12,0	Red	8,0 mm	12,0 mm	2,0 mm	60 mm	9 bar	6,5 bar
PE8,0SW12,0	Black	8,0 mm	12,0 mm	2,0 mm	60 mm	9 bar	6,5 bar
PE8,0SW12,0	Green	8,0 mm	12,0 mm	2,0 mm	60 mm	9 bar	6,5 bar
PE8,0GL12,0	Yellow	8,0 mm	12,0 mm	2,0 mm	60 mm	9 bar	6,5 bar
PE8,0GR12,0	Grey	8,0 mm	12,0 mm	2,0 mm	60 mm	9 bar	6,5 bar
PE9,0NA11,5	Natural	9,0 mm	11,5 mm	1,25 mm	50 mm	7 bar	5,0 bar
PE9,0BL11,5	Blue	9,0 mm	11,5 mm	1,25 mm	50 mm	7 bar	5,0 bar
PE9,0RT11,5	Red	9,0 mm	11,5 mm	1,25 mm	50 mm	7 bar	5,0 bar
PE9,0SW11,5	Black	9,0 mm	11,5 mm	1,25 mm	50 mm	7 bar	5,0 bar
PE9,0GN11,5	Green	9,0 mm	11,5 mm	1,25 mm	50 mm	7 bar	5,0 bar
PE9,0GL11,5	Yellow	9,0 mm	11,5 mm	1,25 mm	50 mm	7 bar	5,0 bar
PE9,0GR11,5	Grey	9,0 mm	11,5 mm	1,25 mm	50 mm	7 bar	5,0 bar
PE9,0NA12,0	Natural	9,0 mm	12,0 mm	1,5 mm	60 mm	9 bar	6,5 bar
PE9,0BL12,0	Blue	9,0 mm	12,0 mm	1,5 mm	60 mm	9 bar	6,5 bar
PE9,0RT12,0	Red	9,0 mm	12,0 mm	1,5 mm	60 mm	9 bar	6,5 bar
PE9,0SW12,0	Black	9,0 mm	12,0 mm	1,5 mm	60 mm	9 bar	6,5 bar
PE9,0GN12,0	Green	9,0 mm	12,0 mm	1,5 mm	60 mm	9 bar	6,5 bar
PE9,0GL12,0	Yellow	9,0 mm	12,0 mm	1,5 mm	60 mm	9 bar	6,5 bar
PE9,0GR12,0	Grey	9,0 mm	12,0 mm	1,5 mm	60 mm	9 bar	6,5 bar
PE10,0NA12,0	Natural	10,0 mm	12,0 mm	1,0 mm	85 mm	5 bar	3,6 bar
PE10,0BL12,0	Blue	10,0 mm	12,0 mm	1,0 mm	85 mm	5 bar	3,6 bar

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part number	color	ID	OD	Wall	Min. Bend Radius	Max. Working Pressure 20°C (68°F)	Max. Working Pressure 40°C (104°F)
PE10,ORT12,0	Red	10,0 mm	12,0 mm	1,0 mm	85 mm	5 bar	3,6 bar
PE10,OSW12,0	Black	10,0 mm	12,0 mm	1,0 mm	85 mm	5 bar	3,6 bar
PE10,OGN12,0	Green	10,0 mm	12,0 mm	1,0 mm	85 mm	5 bar	3,6 bar
PE10,OGL12,0	Yellow	10,0 mm	12,0 mm	1,0 mm	85 mm	5 bar	3,6 bar
PE10,GR12,0	Grey	10,0 mm	12,0 mm	1,0 mm	85 mm	5 bar	3,6 bar
PE11,ONA14,0	Natural	11,0 mm	14,0 mm	1,5 mm	90 mm	8 bar	5,8 bar
PE11,OBL14,0	Blue	11,0 mm	14,0 mm	1,5 mm	90 mm	8 bar	5,8 bar
PE11,ORT14,0	Red	11,0 mm	14,0 mm	1,5 mm	90 mm	8 bar	5,8 bar
PE11,OSW14,0	Black	11,0 mm	14,0 mm	1,5 mm	90 mm	8 bar	5,8 bar
PE11,OGN14,0	Green	11,0 mm	14,0 mm	1,5 mm	90 mm	8 bar	5,8 bar
PE11,OGL14,0	Yellow	11,0 mm	14,0 mm	1,5 mm	90 mm	8 bar	5,8 bar
PE11,GR14,0	Grey	11,0 mm	14,0 mm	1,5 mm	90 mm	8 bar	5,8 bar
PE12,ONA15,0	Natural	12,0 mm	15,0 mm	1,5 mm	90 mm	7 bar	5,1 bar
PE12,OBL15,0	Blue	12,0 mm	15,0 mm	1,5 mm	90 mm	7 bar	5,1 bar
PE12,ORT15,0	Red	12,0 mm	15,0 mm	1,5 mm	90 mm	7 bar	5,1 bar
PE12,OSW15,0	Black	12,0 mm	15,0 mm	1,5 mm	90 mm	7 bar	5,1 bar
PE12,OGN15,0	Green	12,0 mm	15,0 mm	1,5 mm	90 mm	7 bar	5,1 bar
PE12,OGL15,0	Yellow	12,0 mm	15,0 mm	1,5 mm	90 mm	7 bar	5,1 bar
PE12,GR15,0	Grey	12,0 mm	15,0 mm	1,5 mm	90 mm	7 bar	5,1 bar
PE13,ONA16,0	Natural	13,0 mm	16,0 mm	1,5 mm	90 mm	6 bar	4,3 bar
PE13,OBL16,0	Blue	13,0 mm	16,0 mm	1,5 mm	90 mm	6 bar	4,3 bar
PE13,ORT16,0	Red	13,0 mm	16,0 mm	1,5 mm	90 mm	6 bar	4,3 bar
PE13,OSW16,0	Black	13,0 mm	16,0 mm	1,5 mm	90 mm	6 bar	4,3 bar
PE13,OGN16,0	Green	13,0 mm	16,0 mm	1,5 mm	90 mm	6 bar	4,3 bar
PE13,OGL16,0	Yellow	13,0 mm	16,0 mm	1,5 mm	90 mm	6 bar	4,3 bar
PE13,GR16,0	Grey	13,0 mm	16,0 mm	1,5 mm	90 mm	6 bar	4,3 bar
PE14,ONA18,0	Natural	14,0 mm	18,0 mm	2,0 mm	120 mm	7 bar	5,1 bar
PE14,OBL18,0	Blue	14,0 mm	18,0 mm	2,0 mm	120 mm	7 bar	5,1 bar
PE14,ORT18,0	Red	14,0 mm	18,0 mm	2,0 mm	120 mm	7 bar	5,1 bar
PE14,OSW18,0	Black	14,0 mm	18,0 mm	2,0 mm	120 mm	7 bar	5,1 bar
PE14,OGN18,0	Green	14,0 mm	18,0 mm	2,0 mm	120 mm	7 bar	5,1 bar
PE14,OGL18,0	Yellow	14,0 mm	18,0 mm	2,0 mm	120 mm	7 bar	5,1 bar
PE14,GR18,0	Grey	14,0 mm	18,0 mm	2,0 mm	120 mm	7 bar	5,1 bar
PE16,ONA20,0	Natural	16,0 mm	20,0 mm	2,0 mm	120 mm	7 bar	5,1 bar
PE16,OBL20,0	Blue	16,0 mm	20,0 mm	2,0 mm	120 mm	7 bar	5,1 bar
PE16,ORT20,0	Red	16,0 mm	20,0 mm	2,0 mm	120 mm	7 bar	5,1 bar

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PE16,0SW20,0	Black	16,0 mm	20,0 mm	2,0 mm	120 mm	7 bar	5,1 bar
PE16,0GN20,0	Green	16,0 mm	20,0 mm	2,0 mm	120 mm	7 bar	5,1 bar
PE16,0GL20,0	Yellow	16,0 mm	20,0 mm	2,0 mm	120 mm	7 bar	5,1 bar
PE16,0GR20,0	Grey	16,0 mm	20,0 mm	2,0 mm	120 mm	7 bar	5,1 bar

Typical physical Properties of OPTU®flex Polyethylen

Property	Value
Hardness	45° Shore D
Specific Gravity	0,87-0,94 g/cm ³
Working Temperature	-40°C to +80°C
Yield Stress	10 N/mm ²
Elongation at break	650,00%
Dielectric Strength	750 kV/cm
Dielectric Loss Factor	<2x10 ⁻⁴
Specific Resistance	10 ¹⁷ Ω x cm
Waterabsorption, 24 h. at 23°C	< 0,015%