

PE100 Polyethylene pipe availability

Metric Sizes DIN 8074		PE100						PE100 FM	PE-HD-el: Electro Conductive			
Size	Series SDR Working Pressure	Ventilation -	S-20 SDR41 PN4	S-16 SDR33 PN5	S-12.5 SDR26 PN6.3	S-8.3 SDR17 PN10	S-5 SDR11 PN16	S-5 SDR11 PN12	S-16 SDR33 PN3.2	S-8.3 SDR17.6 PN6	S-5 SDR11 PN10	
20	O.D. (mm)						20					
	Wall (mm)						2.0					
	Weight/m (kg)						0.12					
25	O.D. (mm)						25					
	Wall (mm)						2.3					
	Weight/m (kg)						0.17					
32	O.D. (mm)					32	32				32	
	Wall (mm)					2	2.9				2.9	
	Weight/m (kg)					0.20	0.28				0.28	
40	O.D. (mm)					40	40				40	
	Wall (mm)					4	3.7				3.7	
	Weight/m (kg)					0.30	0.43				0.45	
50	O.D. (mm)					50	50				50	
	Wall (mm)					3.0	4.6				4.6	
	Weight/m (kg)					0.46	0.67				0.69	
63	O.D. (mm)					63	63	63			63	
	Wall (mm)					3.8	5.8	5.8			5.8	
	Weight/m (kg)					0.73	1.06	1.05			1.10	
75	O.D. (mm)		75	75		75	75	75			75	
	Wall (mm)		1.9	2.3		4.5	6.8	6.8			6.8	
	Weight/m (kg)		0.46	0.54		1.03	1.48	1.47			1.53	
90	O.D. (mm)		90	90	90	90	90	90		90	90	
	Wall (mm)		2.2	2.8	3.5	5.4	8.2	8.2		5.1	8.2	
	Weight/m (kg)		0.63	0.79	0.98	1.47	2.14	2.11		1.44	2.20	
110	O.D. (mm)		110	110	110	110	110	110	110	110	110	
	Wall (mm)		2.7	3.4	4.2	6.6	10.0	10.0	3.4	6.3	10.0	
	Weight/m (kg)		0.94	1.16	1.42	2.19	3.18	3.14	1.21	2.15	3.28	
125	O.D. (mm)		125	125	125	125	125	125	125	125	125	
	Wall (mm)		3.1	3.9	4.8	7.4	11.4	11.4	3.9	7.1	11.4	
	Weight/m (kg)		1.22	1.51	1.84	2.79	4.12	4.06	1.58	2.77	4.23	
140	O.D. (mm)		140	140	140	140	140	140				
	Wall (mm)		3.5	4.3	5.4	8.3	12.7	12.7				
	Weight/m (kg)		1.54	1.86	2.30	3.50	5.13	5.08				
160	O.D. (mm)		160	160	160	160	160	160	160	160	160	
	Wall (mm)		4.0	4.9	6.2	9.5	14.6	14.6	4.9	9.1	14.6	
	Weight/m (kg)		2.00	2.42	3.02	4.57	6.74	6.67	2.53	4.51	6.95	
180	O.D. (mm)		180	180	180	180	180	180	180	180	180	
	Wall (mm)		4.4	5.5	6.9	10.7	16.4	16.4	5.5	10.2	16.4	
	Weight/m (kg)		2.46	3.07	3.79	5.77	8.51	8.40	3.19	5.68	8.75	
200	O.D. (mm)		200	200	200	200	200	200	200	200	200	
	Wall (mm)		4.9	6.2	7.7	11.9	18.2	18.2	6.2	11.4	18.2	
	Weight/m (kg)		3.05	3.81	4.69	7.12	10.50	10.40	3.97	7.04	10.80	
225	O.D. (mm)		225	225	225	225	225	225	225	225	225	
	Wall (mm)		5.5	6.9	8.6	13.4	20.5	20.5	6.9	12.8	20.5	
	Weight/m (kg)		3.86	4.77	5.89	9.03	13.30	13.10	4.99	8.91	13.70	
250	O.D. (mm)		250	250	250	250	250	250	250	250	250	
	Wall (mm)		6.2	7.7	9.6	14.8	22.7	22.7	7.7	14.2	22.7	
	Weight/m (kg)		4.79	5.92	7.30	11.10	16.30	16.20	6.17	11.00	16.80	
280	O.D. (mm)		280	280	280	280	280	280				
	Wall (mm)		6.9	8.6	10.7	16.6	25.4	25.4				
	Weight/m (kg)		5.98	7.40	9.10	13.90	20.50	20.20				
315	O.D. (mm)		315	315	315	315	315	315	315	315	315	
	Wall (mm)		7.7	9.7	12.1	18.7	28.6	28.6	9.7	17.9	28.6	
	Weight/m (kg)		7.51	9.37	11.50	17.60	25.90	25.60	9.76	17.40	26.70	
355	O.D. (mm)		355	355	355	355	355	355				
	Wall (mm)		8.7	10.9	13.6	21.1	32.2	32.2				
	Weight/m (kg)		9.55	11.80	14.60	22.40	32.90	32.50				
400	O.D. (mm)	400	400	400	400	400	400	400	400			
	Wall (mm)	8.0	9.8	12.3	15.3	23.7	36.3	36.3	12.3			
	Weight/m (kg)	9.93	12.10	15.00	18.50	28.30	41.70	41.20	15.60			
450	O.D. (mm)	450	450	450	450	450	450					
	Wall (mm)	8.0	11.0	13.8	17.2	26.7	40.9					
	Weight/m (kg)	11.20	15.20	19.00	23.40	35.80	52.80					
500	O.D. (mm)	500	500	500	500	500	500					
	Wall (mm)	8.0	12.3	15.3	19.1	29.7	45.4					
	Weight/m (kg)	12.50	18.90	23.30	28.90	44.20	65.20					
560	O.D. (mm)	560	560	560	560	560	560					
	Wall (mm)	10.0	13.7	17.2	21.4	33.2	50.8					
	Weight/m (kg)	17.40	23.60	29.40	36.20	55.40	81.70					
630	O.D. (mm)	630	630	630	630	630	630					
	Wall (mm)	10.0	15.4	19.3	24.1	37.4	57.2					
	Weight/m (kg)	19.60	29.80	37.00	44.80	70.20	103.00					
710	O.D. (mm)	710	710	710	710	710	710					
	Wall (mm)	12.0	17.4	21.8	27.2	42.1	64.5					
	Weight/m (kg)	26.40	37.90	47.20	58.30	89.00	131.00					
800	O.D. (mm)	800	800	800	800	800	800					
	Wall (mm)	12.0	19.6	24.5	30.6	47.4	72.6					
	Weight/m (kg)	29.80	48.10	59.70	73.90	113.00	167.00					
900	O.D. (mm)	900	900	900	900	900						
	Wall (mm)	15.0	22.0	27.6	34.4	53.3						
	Weight/m (kg)	41.80	60.70	75.60	93.30	143.00						
1000	O.D. (mm)	1000	1000	1000	1000	1000						
	Wall (mm)	15.0	24.5	30.6	38.2	59.3						
	Weight/m (kg)	46.60	75.20	93.10	115.00	176.00						
1200	O.D. (mm)	1200	1200	1200								
	Wall (mm)	18.0	29.4	36.7								
	Weight/m (kg)	67.00	108.00	134.00								
1400	O.D. (mm)	1400	1400	1400								
	Wall (mm)	20.0	34.3	42.9								
	Weight/m (kg)	86.80	147.00	183.00								
1600	O.D. (mm)	1600	1600	1600	1600	1600						
	Wall (mm)	23.0	39.2	49.0	61.2	94.8						
	Weight/m (kg)	115.00	194.00	241.00	298.00	451.00						
1800	O.D. (mm)	1800	1800	1800	1800	1800						
	Wall (mm)	26.0	44.0	55.1	68.8	106.6						
	Weight/m (kg)	146.00	245.00	305.00	377.00	571.00						
2000	O.D. (mm)	2000	2000	2000	2000	2000						
	Wall (mm)	29.0	48.9	61.2	76.4	118.4						
	Weight/m (kg)	181.00	302.00	376.00	465.00	704.00						
2250	O.D. (mm)		2250	2250	2250	2250						
	Wall (mm)		55.0	68.9	86.0	133.3						
	Weight/m (kg)		382.00	476.00	589.00	892.00						



PE100 Pipe

PN10/S-8.3/SDR17.6			PN16/S-5/SDR11	
Size	Code	Price/m	Code	Price/m
20	-	-	25 705 0020 11	1.18
25	-	-	25 705 0025 11	1.62
32	25 705 0032 17	1.48	25 705 0032 11	2.27
40	25 705 0040 17	2.10	25 705 0040 11	3.14
50	25 705 0050 17	3.32	25 705 0050 11	4.79
63	25 705 0063 17	5.13	25 705 0063 11	7.50
75	25 705 0075 17	7.22	25 705 0075 11	10.44
90	25 705 0090 17	10.44	25 705 0090 11	15.04
110	25 705 0110 17	15.33	25 705 0110 11	22.46
125	25 705 0125 17	19.68	25 705 0125 11	28.90
140	25 705 0140 17	24.55	25 705 0140 11	36.20
160	25 705 0160 17	32.20	25 705 0160 11	47.32
180	25 705 0180 17	40.57	25 705 0180 11	59.70
200	25 705 0200 17	50.11	25 705 0200 11	73.98
225	25 705 0225 17	63.51	25 705 0225 11	93.10
250	25 705 0250 17	77.46	25 705 0250 11	115.04
280	25 705 0280 17	97.28	25 705 0280 11	143.39
315	25 705 0315 17	123.55	25 705 0315 11	181.88
355	25 705 0355 17	156.99	25 705 0355 11	231.46
400	25 705 0400 17	199.27	25 705 0400 11	293.25
450	25 705 0450 17	273.22	25 705 0450 11	403.77
500	25 705 0500 17	338.49	25 705 0500 11	497.74
560	25 705 0560 17	422.91	25 705 0560 11	623.93
630	25 705 0630 17	536.03	25 705 0630 11	787.48
710	25 705 0710 17	678.73	25 705 0710 11	1011.24
800	25 705 0800 17	863.21	25 705 0800 11	1278.60
900	25 705 0900 17	1088.72	25 705 0900 11	1772.40
1000	25 705 1000 17	1350.56	25 705 1000 11	2260.72

Standard length 5m

For pricing on larger diameter pipe please contact our sales team.

Please note that a transportation surcharge may be applied on pipe diameters 250mm or larger - please enquire for details.

Pipework Support

Polyethylene pipework requires more support than for metallic systems. As working temperature increases, the distance between supports is reduced.

PN10 Pipe Size	Support Centres/m		
	20°C	40°C	60°C
16	0.5	0.5	0.4
20	0.6	0.5	0.4
25	0.7	0.6	0.5
32	0.8	0.7	0.6
40	0.9	0.8	0.7
50	1.0	0.9	0.8
63	1.2	1.1	0.9
75	1.4	1.2	1.0
90	1.5	1.4	1.2
110	1.7	1.5	1.3
125	1.8	1.6	1.4
140	1.9	1.8	1.5
160	2.1	1.9	1.6
180	2.2	2.0	1.8
200	2.3	2.1	1.9
225	2.5	2.3	2.1
250	2.6	2.4	2.1
280	2.8	2.6	2.2
315	2.9	2.7	2.4
355	3.1	2.9	2.6
400	3.3	3.1	2.7



Non Standard Lengths
 Depending on the quantity and lead time requirements, PE pipes can be produced in lengths up to 12 metres. Please enquire for details.

Electrically Conductive PE
 A range of PE80 pipes and fittings designed for the safe discharge of static electricity in critical environments. Please refer to the separate pages at the end of the Polyethylene section.

Agru PE 100
 Can be supplied with FM Approval for applications within the fire protection industry. Please refer to the separate pages at the end of the Polyethylene section

Temperature De-Rating Factors

Pressure ratings for Polyethylene pipework systems are always quoted at 20°C. As the working temperature increases, the maximum working pressure decreases by the factor indicated.

Working Temperature (°C)	Pressure De-Rating Factor
20	1.00
30	0.77
40	0.53
50	0.36

This data is provided for guidance only. For specific projects please contact our technical department

Machine Hire
 Don't have the tools? We have a dedicated fleet of welding equipment available to hire on a weekly basis.