

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	
10	O.D. (mm) Wall (mm) Weight/m (kg)											
12	O.D. (mm) Wall (mm) Weight/m (kg)											
16	O.D. (mm) Wall (mm) Weight/m (kg)											
20	O.D. (mm) Wall (mm) Weight/m (kg)						20 2.0 0.12					
25	O.D. (mm) Wall (mm) Weight/m (kg)						25 2.3 0.17					
32	O.D. (mm) Wall (mm) Weight/m (kg)					32 2 0.20	32 2.9 0.28				32 2.9 0.28	
40	O.D. (mm) Wall (mm) Weight/m (kg)					40 2.4 0.30	40 3.7 0.43				40 3.7 0.45	
50	O.D. (mm) Wall (mm) Weight/m (kg)					50 3.0 0.46	50 4.6 0.67				50 4.6 0.69	
63	O.D. (mm) Wall (mm) Weight/m (kg)					63 3.8 0.73	63 5.8 1.06	63 5.8 1.05			63 5.8 1.10	
75	O.D. (mm) Wall (mm) Weight/m (kg)		75 1.9 0.46	75 2.3 0.54		75 4.5 1.03	75 6.8 1.48	75 6.8 1.47			75 6.8 1.53	
90	O.D. (mm) Wall (mm) Weight/m (kg)		90 2.2 0.63	90 2.8 0.79	90 3.5 0.98	90 5.4 1.47	90 8.2 2.14	90 8.2 2.11		90 5.1 1.44	90 8.2 2.20	
110	O.D. (mm) Wall (mm) Weight/m (kg)		110 2.7 0.94	110 3.4 1.16	110 4.2 1.42	110 6.6 2.19	110 10.0 3.18	110 10.0 3.14	110 3.4 1.21	110 6.3 2.15	110 10.0 3.28	
125	O.D. (mm) Wall (mm) Weight/m (kg)		125 3.1 1.22	125 3.9 1.51	125 4.8 1.84	125 7.4 2.79	125 11.4 4.12	125 11.4 4.06	125 3.9 1.58	125 7.1 2.77	125 11.4 4.23	
140	O.D. (mm) Wall (mm) Weight/m (kg)		140 3.5 1.54	140 4.3 1.86	140 5.4 2.30	140 8.3 3.50	140 12.7 5.13	140 12.7 5.08				
160	O.D. (mm) Wall (mm) Weight/m (kg)		160 4.0 2.00	160 4.9 2.42	160 6.2 3.02	160 9.5 4.57	160 14.6 6.74	160 14.6 6.67	160 4.9 2.53	160 9.1 4.51	160 14.6 6.95	
180	O.D. (mm) Wall (mm) Weight/m (kg)		180 4.4 2.46	180 5.5 3.07	180 6.9 3.79	180 10.7 5.77	180 16.4 8.51	180 16.4 8.40	180 5.5 3.19	180 10.2 5.68	180 16.4 8.75	
200	O.D. (mm) Wall (mm) Weight/m (kg)		200 4.9 3.05	200 6.2 3.81	200 7.7 4.69	200 11.9 7.12	200 18.2 10.50	200 18.2 10.40	200 6.2 3.97	200 11.4 7.04	200 18.2 10.80	
225	O.D. (mm) Wall (mm) Weight/m (kg)		225 5.5 3.86	225 6.9 4.77	225 8.6 5.89	225 13.4 9.03	225 20.5 13.30	225 20.5 13.10	225 6.9 4.99	225 12.8 8.91	225 20.5 13.70	
250	O.D. (mm) Wall (mm) Weight/m (kg)		250 6.2 4.79	250 7.7 5.92	250 9.6 7.30	250 14.8 11.10	250 22.7 16.30	250 22.7 16.20	250 7.7 6.17	250 14.2 11.00	250 22.7 16.80	
280	O.D. (mm) Wall (mm) Weight/m (kg)		280 6.9 5.98	280 8.6 7.40	280 10.7 9.10	280 16.6 13.90	280 25.4 20.50	280 25.4 20.20				
315	O.D. (mm) Wall (mm) Weight/m (kg)		315 7.7 7.51	315 9.7 9.37	315 12.1 11.50	315 18.7 17.60	315 28.6 25.90	315 28.6 25.60	315 9.7 9.76	315 17.9 17.40	315 28.6 26.70	
355	O.D. (mm) Wall (mm) Weight/m (kg)		355 8.7 9.55	355 10.9 11.80	355 13.6 14.60	355 21.1 22.40	355 32.2 32.90	355 32.2 32.50				
400	O.D. (mm) Wall (mm) Weight/m (kg)	400 8.0 9.93	400 9.8 12.10	400 12.3 15.00	400 15.3 18.50	400 23.7 28.30	400 36.3 41.70	400 36.3 41.20	400 12.3 15.60			
450	O.D. (mm) Wall (mm) Weight/m (kg)	450 8.0 11.20	450 11.0 15.20	450 13.8 19.00	450 17.2 23.40	450 26.7 35.80	450 40.9 52.80					
500	O.D. (mm) Wall (mm) Weight/m (kg)	500 8.0 12.50	500 12.3 18.90	500 15.3 23.30	500 19.1 28.90	500 29.7 44.20	500 45.4 65.20					
560	O.D. (mm) Wall (mm) Weight/m (kg)	560 10.0 17.40	560 13.7 23.60	560 17.2 29.40	560 21.4 36.20	560 33.2 55.40	560 50.8 81.70					
630	O.D. (mm) Wall (mm) Weight/m (kg)	630 10.0 19.60	630 15.4 29.80	630 19.3 37.00	630 24.1 44.80	630 37.4 70.20	630 57.2 103.00					
710	O.D. (mm) Wall (mm) Weight/m (kg)	710 12.0 26.40	710 17.4 37.90	710 21.8 47.20	710 27.2 58.30	710 42.1 89.00	710 64.5 131.00					
800	O.D. (mm) Wall (mm) Weight/m (kg)	800 12.0 29.80	800 19.6 48.10	800 24.5 59.70	800 30.6 73.90	800 47.4 113.00	800 72.6 167.00					
900	O.D. (mm) Wall (mm) Weight/m (kg)	900 15.0 41.80	900 22.0 60.70	900 27.6 75.60	900 34.4 93.30	900 53.3 143.00						
1000	O.D. (mm) Wall (mm) Weight/m (kg)	1000 15.0 46.60	1000 24.5 75.20	1000 30.6 93.10	1000 38.2 115.00	1000 59.3 176.00						
1200	O.D. (mm) Wall (mm) Weight/m (kg)	1200 18.0 67.00	1200 29.4 108.00	1200 36.7 134.00								
1400	O.D. (mm) Wall (mm) Weight/m (kg)	1400 20.0 86.80	1400 34.3 147.00	1400 42.9 183.00								



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



PE100 Pipe

PN10/S-8.3/SDR17.6 PN16/S-5/SDR11

Size	Code	Price/m	Code	Price/m
20	25 705 0020 17	0.79	25 705 0020 11	1.02
25	25 705 0025 17	1.00	25 705 0025 11	1.40
32	25 705 0032 17	1.28	25 705 0032 11	1.96
40	25 705 0040 17	1.81	25 705 0040 11	2.71
50	25 705 0050 17	2.87	25 705 0050 11	4.13
63	25 705 0063 17	4.44	25 705 0063 11	6.48
75	25 705 0075 17	6.24	25 705 0075 11	9.02
90	25 705 0090 17	9.02	25 705 0090 11	12.99
110	25 705 0110 17	13.24	25 705 0110 11	19.40
125	25 705 0125 17	17.00	25 705 0125 11	24.96
140	25 705 0140 17	21.21	25 705 0140 11	31.28
160	25 705 0160 17	27.82	25 705 0160 11	40.88
180	25 705 0180 17	35.05	25 705 0180 11	51.57
200	25 705 0200 17	43.29	25 705 0200 11	63.90
225	25 705 0225 17	54.87	25 705 0225 11	80.43
250	25 705 0250 17	66.91	25 705 0250 11	99.37
280	25 705 0280 17	84.04	25 705 0280 11	123.87
315	25 705 0315 17	106.73	25 705 0315 11	157.11
355	25 705 0355 17	135.61	25 705 0355 11	199.94
400	25 705 0400 17	172.13	25 705 0400 11	253.32
450	25 705 0450 17	236.02	25 705 0450 11	348.79
500	25 705 0500 17	292.40	25 705 0500 11	429.97
560	25 705 0560 17	365.32	25 705 0560 11	538.97
630	25 705 0630 17	463.04	25 705 0630 11	680.26
710	25 705 0710 17	586.31	25 705 0710 11	873.55
800	25 705 0800 17	745.67	25 705 0800 11	1118.15

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



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 is designed for the safe discharge of static electricity in critical environments. Please refer to the separate pages at the end of the Polyethylene section.

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

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

Machine Hire

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

