

## Poliplex® pipe colour options

- Fully black pipe, for **general** applications
- Dark blue jacket or stripes on black inner for **pressure drinking water** applications
- Cream jacket or stripes on black inner for **pressure wastewater** applications
- Purple jacket or stripes on black inner for **recycled** or **“grey”** water applications
- Light grey jacket or stripes on black inner for **gravity wastewater** applications

## Poliplex® pipes dimensions to AS / NZS 4130 Series 1

SDR	41				26				21				17				13.6				11				9				7.4				SDR
PN for PE100	4				6.3				8				10				12.5				16				20				25				PN for PE100
DN	Min Wall	Mean ID	Mean OD	Weight Ave kg/m	Min Wall	Mean ID	Mean OD	Weight Ave kg/m	Min Wall	Mean ID	Mean OD	Weight Ave kg/m	Min Wall	Mean ID	Mean OD	Weight Ave kg/m	Min Wall	Mean ID	Mean OD	Weight Ave kg/m	Min Wall	Mean ID	Mean OD	Weight Ave kg/m	Min Wall	Mean ID	Mean OD	Weight Ave kg/m	Min Wall	Mean ID	Mean OD	Weight Ave kg/m	DN
20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.6	16.7	1.2	0.10	1.9	16.0	1.2	0.11	2.3	15.2	1.2	0.13	2.8	14.2	1.2	0.16	20
25	-	-	-	-	-	-	-	-	-	-	-	-	1.6	21.7	1.2	0.12	1.9	21.0	1.2	0.14	2.3	20.2	1.2	0.17	2.8	19.2	1.2	0.20	3.5	17.7	1.2	0.24	25
32	-	-	-	-	-	-	-	-	1.6	28.7	1.3	0.16	1.9	28.0	1.3	0.19	2.4	27.0	1.3	0.23	2.9	26.0	1.3	0.27	3.6	24.5	1.3	0.33	4.4	22.8	1.3	0.39	32
40	-	-	-	-	-	-	-	-	1.9	36.1	1.4	0.24	2.4	35.0	1.4	0.30	3.0	33.8	1.4	0.36	3.7	32.3	1.4	0.43	4.5	30.6	1.4	0.52	5.5	28.5	1.4	0.61	40
50	-	-	-	-	-	-	-	-	2.4	45.0	1.4	0.38	3.0	43.9	1.4	0.46	3.7	42.4	1.4	0.55	4.6	40.4	1.4	0.67	5.6	38.4	1.4	0.80	6.9	35.7	1.4	0.95	50
63	-	-	-	-	2.4	58.1	1.5	0.48	3.0	56.9	1.5	0.58	3.8	55.2	1.5	0.73	4.7	53.3	1.5	0.88	5.8	51.0	1.5	1.07	7.1	48.2	1.5	1.28	8.6	45.1	1.5	1.50	63
75	-	-	-	-	2.9	69.2	1.6	0.68	3.6	67.7	1.6	0.83	4.5	65.8	1.6	1.03	5.5	63.7	1.6	1.23	6.8	61.0	1.6	1.49	8.4	57.6	1.6	1.79	10.3	53.6	1.6	2.13	75
90	-	-	-	-	3.5	83.0	1.8	0.99	4.3	81.3	1.8	1.20	5.4	79.0	1.8	1.48	6.6	76.5	1.8	1.77	8.2	73.0	1.8	2.16	10.1	69.1	1.8	2.59	12.3	64.5	1.8	3.05	90
110	2.7	104.7	2.2	0.95	4.3	101.3	2.2	1.48	5.3	99.2	2.2	1.80	6.6	96.5	2.2	2.20	8.1	93.3	2.2	2.66	10.0	89.4	2.2	3.20	12.3	84.5	2.2	3.84	15.1	78.6	2.2	4.57	110
125	3.1	118.9	2.5	1.24	4.8	115.4	2.5	1.86	6.0	112.9	2.5	2.30	7.4	109.9	2.5	2.80	9.2	106.1	2.5	3.42	11.4	101.5	2.5	4.15	14.0	96.1	2.5	4.96	17.1	89.5	2.5	5.88	125
140	3.5	133.2	2.8	1.56	5.4	129.2	2.8	2.35	6.7	126.5	2.8	2.87	8.3	123.0	2.8	3.52	10.3	118.9	2.8	4.29	12.7	113.9	2.8	5.17	15.7	107.6	2.8	6.23	19.2	100.2	2.8	7.39	140
160	4.0	152.3	3.2	2.02	6.2	147.6	3.2	3.08	7.7	144.5	3.2	3.77	9.5	140.7	3.2	4.59	11.8	135.9	3.2	5.60	14.6	130.0	3.2	6.78	17.9	123.0	3.2	8.11	21.9	114.7	3.2	9.62	160
180	4.4	171.5	3.6	2.51	6.9	166.3	3.6	3.84	8.6	163.1	3.6	4.74	10.7	158.3	3.6	5.81	13.3	152.8	3.6	7.10	16.4	146.3	3.6	8.58	20.1	138.5	3.6	10.26	24.6	129.1	3.6	12.16	180
200	4.9	190.5	4.0	3.08	7.7	184.6	4.0	4.76	9.6	180.6	4.0	5.87	11.9	175.8	4.0	7.16	14.7	170.0	4.0	8.71	18.2	162.5	4.0	10.57	22.4	153.7	4.0	12.68	27.3	143.4	4.0	15.00	200
225	5.5	214.4	4.5	3.90	8.6	207.9	4.5	5.98	10.8	203.3	4.5	7.42	13.4	197.8	4.5	9.09	16.6	191.0	4.5	11.06	20.5	182.9	4.5	13.39	25.1	173.2	4.5	16.00	30.8	161.3	4.5	19.02	225
250	6.2	238.0	5.0	4.89	9.6	230.9	5.0	7.41	11.9	226.0	5.0	9.08	14.8	220.0	5.0	11.14	18.4	212.4	5.0	13.63	22.7	203.4	5.0	16.46	27.9	192.5	5.0	19.73	34.2	179.2	5.0	23.48	250
280	6.9	266.7	5.8	6.06	10.7	258.7	5.8	9.25	13.4	253.0	5.8	11.46	16.6	246.3	5.8	13.99	20.6	237.9	5.8	17.08	25.4	227.8	5.8	20.64	31.3	215.4	5.8	24.80	38.3	200.7	5.8	29.44	280
315	7.7	300.2	6.6	7.62	12.1	290.9	6.6	11.78	15.0	284.9	6.6	14.40	18.7	276.6	6.6	17.72	23.2	267.6	6.6	21.64	28.6	256.3	6.6	26.13	35.2	242.4	6.6	31.38	43.0	226.1	6.6	37.16	315
355	8.7	338.2	7.5	9.69	13.6	327.9	7.5	14.89	16.9	321.0	7.5	18.28	21.1	312.1	7.5	22.55	26.1	301.6	7.5	27.43	32.2	288.8	7.5	33.16	39.6	273.3	7.5	39.76	48.5	254.6	7.5	47.24	355
400	9.8	380.0	8.4	12.28	15.3	369.5	8.4	18.88	19.1	361.5	8.4	23.31	23.7	351.9	8.4	28.50	29.4	339.9	8.4	34.79	36.3	325.4	8.4	42.10	44.7	307.8	8.4	50.55	54.6	287.0	8.4	59.92	400
450	11.0	428.9	9.6	15.49	17.2	415.8	9.6	23.87	21.5	406.8	9.6	29.48	26.7	395.9	9.6	36.11	33.1	382.4	9.6	44.07	40.9	366.1	9.6	53.31	50.2	346.5	9.6	63.90	61.5	322.8	9.6	75.92	450
500	12.3	476.3	10.7	19.28	19.1	462.0	10.7	29.45	23.9	452.0	10.7	36.37	29.6	439.9	10.7	44.48	36.8	424.9	10.7	54.38	45.4	406.8	10.7	65.78	55.8	385.0	10.7	78.86	70.4	354.5	10.7	92.44	500
560	13.7	533.6	11.9	24.00	21.4	517.4	11.9	36.91	26.7	506.4	11.9	45.52	33.2	492.7	11.9	55.89	41.2	475.8	11.9	68.22	50.8	455.8	11.9	82.40	62.5	430.3	11.9	98.93	80.4	394.5	11.9	119.44	560
630	15.4	600.4	13.4	30.37	24.1	582.1	13.4	46.77	30.0	569.8	13.4	57.50	37.3	554.4	13.4	70.62	46.3	535.5	13.4	86.23	57.2	512.6	13.4	104.42	70.3	484.1	13.4	125.20	90.4	444.1	13.4	149.44	630
710	17.4	676.5	15.4	38.65	27.2	655.9	15.4	59.45	33.9	641.9	15.4	73.22	42.1	624.6	15.4	89.82	52.2	603.4	15.4	109.55	64.5	577.6	15.4	132.64	79.3	546.5	15.4	159.13	100.4	506.5	15.4	189.44	710
800	19.6	762.3	17.6	49.01	30.6	739.2	17.6	75.29	38.1	723.4	17.6	92.80	47.4	703.9	17.6	113.89	58.8	680.0	17.6	138.96	72.5	651.0	17.6	168.11	89.3	615.9	17.6	201.90	110.4	575.9	17.6	239.44	800
900	22.0	857.8	20.0	61.81	34.4	831.7	20.0	95.23	42.9	813.9	20.0	117.42	53.5	791.7	20.0	144.55	66.2	764.9	20.0	176.04	81.7	732.4	20.0	212.91	100.4	685.9	20.0	254.90	120.4	645.9	20.0	294.44	900
1000	24.5	952.9	22.5	76.54	38.2	924.1	22.5	117.50	47.7	904.2	22.5	145.07	59.3	879.8	22.5	178.06	72.5	852.1	22.5	214.41	90.3	814.9	22.5	261.40	110.4	764.9	22.5	304.90	130.4	724.9	22.5	344.44	1000
1200	29.4	1143.1	27.4	110.14	45.9	1108.5	27.4	169.18	57.2	1084.7	27.4	208.73	67.9	1062.7	27.4	245.17	88.2	1020.0	27.4	312.54	100.4	970.4	27.4	354.90	120.4	920.4	27.4	404.90	140.4	870.4	27.4	494.44	1200
1400	34.4	1332.6	32.4	150.19	53.2	1293.1	32.4	239.54	66.7	1266.1	32.4	283.64	82.4	1233.1	32.4	346.07	100.4	1183.1	32.4	404.07	120.4	1143.1	32.4	454.90	140.4	1093.1	32.4	504.90	160.4	1043.1	32.4	594.44	1400
1600	39.3	1522.3	37.3	195.75	61.3	1476.1	37.3	300.95	76.2	1447.0	37.3	370.23	94.1	1409.4	37.3	451.49	110.4	1359.4	37.3	481.49	130.4	1319.4	37.3	531.49	150.4	1269.4	37.3	581.49	170.4	1219.4	37.3	671.44	1600
1800	43.8	1716.0	41.8	245.95	69.1	1662.8	41.8	382.16	85.7	1628.0	41.8	468.94	100.4	1588.0	41.8	554.94	120.4	1538.0	41.8	584.94	140.4	1498.0	41.8	634.94	160.4	1448.0	41.8	684.94	180.4	1398.0	41.8	774.44	1800
2000	48.8	1906.4	46.8	304.41	76.9	1847.4	46.8	472.24	95.2	1808.9	46.8	578.91	110.4	1758.9	46.8	664.91	130.4	1708.9	46.8	704.91	150.4	1658.9	46.8	754.91	170.4	1608.9	46.8	804.91	190.4	1558.9	46.8	894.44	2000

Note:

- Minimum order quantities apply to all sizes.
- All dimensions are in millimetres and mass in kg/m.
- Nominal diameter (DN) equals outside diameter.

## Poliplex® Pipe Joining Systems

- Butt Fusion**, conforming to POP 003 “BUTT FUSION JOINTING OF PE PIPES AND FITTINGS - RECOMMENDED PARAMETERS”  
Refer <http://www.pipa.com.au/sites/default/files/document/attachment/pop003.pdf>  
<http://www.pipa.com.au/sites/default/files/document/attachment/2015-8-12-pop014.pdf>
- Electrofusion**, conforming to POP 001 - ELECTROFUSION JOINTING OF PE PIPES AND FITTINGS FOR PRESSURE APPLICATIONS. Refer <http://www.pipa.com.au/sites/default/files/document/attachment/2015-12-08-pop001.pdf>
- Mechanical Fittings**. Pipe sizes DN 20 to DN125 can be joined using Plasson® mechanical compression couplings complying with AS/NZS 4129. These can be undone and reused when altering the system layout. Larger pipe sizes can be joined using Ductile Iron restrained joint fittings, designed for PE pipe conforming to AS/NZS 4129



DN710, PN12.5, PE100 sewer rising main being prepared for installation by horizontal directional drilling. Pipe is black with a cream coloured jacket, identifying it visually as a pressure sewer in accordance with AS/NZS 4130.