



ACP

AUSTRALIAN CUSTOM PIPES

PLASTIC PIPE • FABRICATION • MOULDING SPECIALIST

PE100 AS/NZS4130 Water Pipes Specification

DESCRIPTION: PE100 Series 1 AS/NZS4130 Polyethylene Pipe

COLOUR: Standard Black or with Stripes or Jacket as agreed with customer

Table: SDR Pressure Ratings

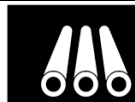
Compound	PN 3.2	PN 4	PN 6.3	PN 8	PN 10	PN 12.5	PN 16	PN 20	PN 25
PE100	-	41	26	21	17	13.6	11	9	7.4

Based on C = 1.25 at 20°C

PIPE DIMENSIONS:

Nominal Outside Diameter (DN)	Mean Outside Diameter (Dm)		Ovality	SDR41 (PN4)			SDR26 (PN6.3)			SDR21 (PN8)		
				Wall Thickness (T)		Nominal Weight (kg/100m)	Wall Thickness (T)		Nominal Weight (kg/100m)	Wall Thickness (T)		Nominal Weight (kg/100m)
				Min	Max		Max	Min		Max	Min	
16	16.0	16.3	1.2	-	-	-	-	-	-	-	-	-
20	20.0	20.3	1.2	-	-	-	-	-	-	-	-	-
25	25.0	25.3	1.2	-	-	-	-	-	-	-	-	-
32	32.0	32.3	1.3	-	-	-	-	-	-	1.6	1.9	16.0
40	40.0	40.4	1.4	-	-	-	-	-	-	1.9	2.2	23.6
50	50.0	50.5	1.4	-	-	-	-	-	-	2.4	2.8	37.4
63	63.0	63.6	1.5	-	-	-	2.4	2.8	47.6	3.0	3.4	58.0
75	75.0	75.7	1.6	-	-	-	2.9	3.3	67.5	3.6	4.1	83.0
90	90.0	90.9	1.8	-	-	-	3.5	4.0	98.1	4.3	4.9	119.1
110	110.0	111.0	2.2	2.7	3.1	94.1	4.3	4.9	146.9	5.3	6.0	178.7
125	125.0	126.2	2.5	3.1	3.6	123.5	4.8	5.4	185.3	6.0	6.7	228.4
140	140.0	141.3	2.8	3.5	4.0	154.8	5.4	6.1	233.9	6.6	7.3	299.5
160	160.0	161.5	3.2	4.0	4.5	200.6	6.2	7.0	306.8	7.7	8.6	375.1
180	180.0	181.7	3.6	4.4	5.0	249.7	6.9	7.7	382.1	8.6	9.6	471.4
200	200.0	201.8	4.0	4.9	5.5	306.9	7.7	8.6	473.8	9.6	10.7	583.9
225	225	227.1	4.5	5.5	6.2	388.7	8.6	9.6	595.7	10.8	12.0	738.3
250	250	252.3	5.0	6.2	7.0	487.0	9.6	10.7	738.0	11.9	13.2	903.5

Nominal Outside Diameter (DN)	Mean Outside Diameter (Dm)		Ovality	SDR17 (PN10)			SDR13.6 (PN12.5)			SDR11 (PN16)		
				Wall Thickness (T)		Nominal Weight (kg/100m)	Wall Thickness (T)		Nominal Weight (kg/100m)	Wall Thickness (T)		Nominal Weight (kg/100m)
				Min	Max		Max	Min		Max	Min	
16	16.0	16.3	1.2	-	-	-	-	-	-	1.6	1.9	7.6
20	20.0	20.3	1.2	-	-	-	1.6	1.9	9.7	1.9	2.2	11.2
25	25.0	25.3	1.2	1.6	1.9	12.4	1.9	2.2	14.3	2.3	2.7	17.1
32	32.0	32.3	1.3	1.9	2.2	18.6	2.4	2.8	23.2	2.9	3.3	27.2
40	40.0	40.4	1.4	2.4	2.8	29.5	3.0	3.4	35.7	3.7	4.2	43.2
50	50.0	50.5	1.4	3.0	3.4	45.4	3.7	4.2	55.2	4.6	5.2	67.0
63	63.0	63.6	1.5	3.8	4.3	72.4	4.7	5.3	87.9	5.8	6.5	106.0
75	75.0	75.7	1.6	4.5	5.1	102.1	5.5	6.2	122.6	6.8	7.6	148.0
90	90.0	90.9	1.8	5.4	6.1	146.9	6.6	7.4	176.2	8.2	9.2	214.5
110	110.0	111.0	2.2	6.6	7.4	218.5	8.1	9.1	264.3	10.0	11.1	318.0
125	125.0	126.2	2.5	7.4	8.3	278.8	9.2	10.3	340.7	11.4	12.7	412.7
140	140.0	141.3	2.8	8.3	9.3	349.9	10.3	11.5	426.5	12.7	14.1	514.3
160	160.0	161.5	3.2	9.5	10.6	456.8	11.8	13.1	556.8	14.6	16.2	675.1
180	180.0	181.7	3.6	10.7	11.9	577.8	13.3	14.8	706.8	16.4	18.2	853.3



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200	200.0	201.8	4.0	11.9	13.2	712.9	14.7	16.3	866.7	18.2	20.2	1052.1
225	225	227.1	4.5	13.4	14.9	904.7	16.6	18.4	1101.2	20.5	22.7	1332.6
250	250	252.3	5.0	14.8	16.4	1108.7	18.4	20.4	1356.6	22.7	25.1	1638.9

Nominal Outside Diameter (DN)	Mean Outside Diameter (Dm)		Ovality	SDR9 (PN20)			SDR7.4 (PN25)		
				Wall Thickness (T)		Nominal Weight (kg/100m)	Wall Thickness (T)		Nominal Weight (kg/100m)
				Min	Max		Min	Max	
16	16.0	16.3	1.2	1.8	2.1	8.4	2.2	2.6	10.0
20	20.0	20.3	1.2	2.3	2.7	13.3	2.8	3.2	15.5
25	25.0	25.3	1.2	2.8	3.2	20.0	3.5	4.0	24.2
32	32.0	32.3	1.3	3.6	4.1	32.9	4.4	5.0	38.9
40	40.0	40.4	1.4	4.5	5.1	51.2	5.5	6.2	60.6
50	50.0	50.5	1.4	5.6	6.3	79.5	6.9	7.7	94.6
63	63.0	63.6	1.5	7.1	8.0	126.9	8.6	9.6	148.8
75	75.0	75.7	1.6	8.4	9.4	178.4	10.3	11.5	211.9
90	90.0	90.9	1.8	10.1	11.3	257.4	12.3	13.7	303.7
110	110.0	111.0	2.2	12.3	13.7	382.3	15.1	16.8	454.8
125	125.0	126.2	2.5	14.0	15.5	493.1	17.1	19.0	585.5
140	140.0	141.3	2.8	15.7	17.4	619.4	19.2	21.3	735.3
160	160.0	161.5	3.2	17.9	19.8	806.7	21.9	24.2	957.3
180	180.0	181.7	3.6	20.1	22.3	1020.8	24.6	27.2	1210.4
200	200.0	201.8	4.0	22.4	24.8	1261.9	27.3	30.2	1492.7
225	225	227.1	4.5	25.1	27.8	1593.2	30.8	34.0	1893.6
250	250	252.3	5.0	27.9	30.8	1964.5	34.2	37.8	2337.6

- All dimensions in mm unless specified
- Pipe weights based on Black pipe

PACKAGING:

Coil and Drum Dimensions

- Refer ACP Product Specification - Coiling Dimensions

SPECIAL REQUIREMENTS:

As specified by agreement with customer at time of ordering.