

PipeFlo Manufacturers of Quality HDPE pipes



PIPEFLO PIPE SPECIFICATIONS SANS 4427-2

SDR = NOMINAL (MINIMUM) OUTSIDE DIAMETER / MINIMUM WALL THICKNESS									PN = MAXIMUM ALLOWABLE OPERATING PRESSURE IN bars AT 20 DEGREES C									PE DESIGNATES THE MINIMUM REQUIRED STRENGTH OF COMPOUND TO BE USED FOR MANUFACTURING											
			SDR 41			SDR 33			SDR 26			SDR 21			SDR 17			SDR 13.6			SDR 11			SDR 9			SDR 7.4		
			PE 100 PN 4			PE 100 PN 5			PE 100 PN 6.4			PE 100 PN 8			PE 100 PN 10			PE 100 PN 12.5			PE 100 PN 16			PE 100 PN 20			PE 100 PN 25		
OD (DN)	MIN OD (mm)	MAX OD (mm)	e MIN (mm)	e MAX (mm)	ID (mm)	e MIN (mm)	e MAX (mm)	ID (mm)	e MIN (mm)	e MAX (mm)	ID (mm)	e MIN (mm)	e MAX (mm)	ID (mm)	e MIN (mm)	e MAX (mm)	ID (mm)	e MIN (mm)	e MAX (mm)	ID (mm)	e MIN (mm)	e MAX (mm)	ID (mm)	e MIN (mm)	e MAX (mm)	ID (mm)	e MIN (mm)	e MAX (mm)	ID (mm)
20	20	20.3																			2.00	2.30	15.10	2.30	2.70	15.10	3.00	3.40	14.12
25	25	25.3																2.00	2.30	20.85	2.30	2.70	20.10	3.00	3.40	19.10	3.50	4.00	17.60
32	32	32.3													2.00	2.30	27.10	2.40	2.80	26.95	3.00	3.40	25.60	3.60	4.10	24.40	4.40	5.00	22.70
40	40	40.4										2.00	2.30	35.20	2.40	2.80	34.90	3.00	3.50	33.70	3.70	4.20	32.20	4.50	5.10	30.50	5.50	6.20	28.30
50	50	50.4							2.00	2.30	45.10	2.40	2.80	45.20	3.00	3.40	43.70	3.70	4.20	42.30	4.60	5.20	40.20	5.60	6.30	38.10	6.90	7.70	35.30
63	63	63.4							2.50	2.90	57.70	3.00	3.40	57.00	3.80	4.30	55.00	4.70	5.30	53.20	5.80	6.50	50.70	7.10	8.00	47.90	8.60	9.60	44.70
75	75	75.5							2.90	3.30	69.00	3.60	4.10	67.80	4.50	5.10	65.60	5.60	6.30	63.35	6.80	7.60	60.60	8.40	9.40	57.20	10.30	11.50	53.10
90	90	90.6							3.50	4.00	82.70	4.30	4.90	81.00	5.40	6.10	78.60	6.70	7.50	76.10	8.20	9.20	72.60	10.10	11.30	68.50	12.30	13.70	63.80
110	110	110.7							4.20	4.80	101.30	5.30	6.00	99.00	6.60	7.40	96.20	8.10	9.10	93.15	10.00	11.10	88.80	12.30	13.70	83.90	15.10	16.80	77.90
125	125	125.8							4.80	5.40	115.00	6.00	6.70	112.50	7.40	8.30	109.40	9.20	10.30	105.90	11.40	12.70	100.80	14.00	15.60	95.30	17.10	19.00	87.80
140	140	140.9							5.40	6.10	128.80	6.70	7.50	126.00	8.30	9.30	122.60	10.30	11.50	118.65	12.70	14.10	113.10	15.70	17.40	106.70	19.20	21.30	98.30
160	160	161							6.20	7.00	147.10	7.70	8.60	143.90	9.50	10.60	140.00	11.80	13.10	135.60	14.60	16.20	129.00	17.90	19.80	121.20	21.90	24.20	112.40
180	180	181.1							6.90	7.70	165.70	8.60	9.60	162.10	10.70	11.90	157.50	13.30	14.80	152.45	16.40	18.20	144.50	20.10	22.30	136.40	24.60	27.20	126.50
200	200	201.2							7.70	8.60	184.00	9.60	10.70	179.90	11.90	13.20	175.00	14.70	16.30	169.60	18.20	20.20	160.60	22.40	24.80	151.40	27.40	30.30	140.40
225	225	226.4							8.60	9.60	207.20	10.80	12.00	202.40	13.40	14.90	196.80	16.60	18.40	190.70	20.50	22.70	180.60	25.20	27.90	170.30	30.80	34.00	156.00
250	250	251.5							9.60	10.70	230.10	11.90	13.20	225.20	14.80	16.40	218.90	18.40	20.40	211.95	22.70	25.10	200.90	27.90	30.80	189.50	34.20	37.80	175.60
280	280	281.7							10.70	11.90	257.80	13.40	14.90	252.00	16.60	18.40	244.40	20.60	22.80	237.45	25.40	28.10	225.10	31.30	34.60	212.10	38.30	42.30	196.70
315	315	316.9	7.70	8.60	299.63	9.70	10.80	295.10	12.10	13.50	289.90	15.00	16.60	283.70	18.70	20.70	274.90	23.20	25.70	267.05	28.60	31.60	253.10	35.20	38.90	238.60	43.10	47.60	221.20
355	355	357.2	8.70	9.70	337.68	10.90	12.10	332.60	13.60	15.10	326.80	16.90	18.70	319.00	21.10	23.40	309.70	26.10	28.90	301.10	32.20	35.60	285.30	39.70	43.80	268.80	48.50	53.50	249.50
400	400	402.4	9.80	10.90	380.49	12.30	13.70	374.70	15.30	17.00	368.30	19.10	21.20	359.20	23.70	26.20	349.10	29.40	32.50	339.30	36.30	40.10	321.40	44.70	49.30	302.90	54.70	60.30	281.00
450	450	452.7	11.00	12.20	428.05	13.80	15.30	421.70	17.20	19.10	413.50	21.50	23.80	404.20	26.70	29.50	392.70	33.10	36.60	381.65	40.90	45.10	361.50	50.30	55.50	340.80	61.50	67.80	316.40

BASED ON SANS 4427 - 2. DERIVED IN OCTOBER 2010.

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