

POLYETHYLENE PIPES FOR WATER, MINING & INDUSTRIAL APPLICATIONS

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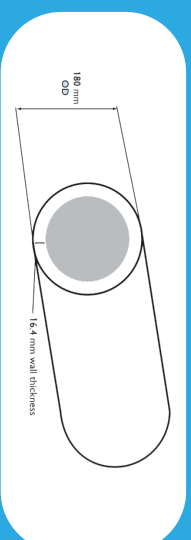
Website

www.plasco.co.tz

HDPE (High-Density Polyethylene) is a polyethene thermoplastic made from petroleum with a high strength-to-density ratio and corrosive resistant properties.

Plasco Limited is capable of producing HDPE Pipes of up to 630mm in diameter together with a full range of customized fabricated fittings per the client's needs. Plasco manufactures HDPE Pipes in straight lengths and coils to ISO 4427-2 and TZS 921 standards.

Relationship between wall thickness and outside diameter (OD) is generally known as Standard Dimension Ratio (SDR).



SDR = Normal ÷ pipe wall thickness

Example:

As Standard Dimension Ratio (SDR)

180 mm PN 16 PE100 pipe

SDR = 180 ÷ 16.4 = 11

OD (mm)	SDR 26		SDR 21		SDR 17		SDR 13.6		SDR 11		SDR 9		SDR 7.4	
	PN6.4 PE100	Min.wall (mm)	PN8 PE100	Min.wall (mm)	PN10 PE100	Min.wall (mm)	PN12.5 PE100	Min.wall (mm)	PN16 PE100	Min.wall (mm)	PN16 PE 80	Min.wall (mm)	PN20 PE100	Min.wall (mm)
16	-	-	-	-	-	-	-	-	-	-	2.0	2.0	2.3	2.3
20	-	-	-	-	-	-	-	-	2.0	2.0	2.3	2.3	3.0	3.0
25	-	-	-	-	-	-	2.0	2.0	2.3	2.3	3.0	3.0	3.6	3.5
32	-	-	-	-	2.0	2.0	2.4	2.4	3.0	3.0	3.6	3.6	4.4	4.4
40	-	-	2.0	2.0	2.4	2.4	3.0	3.0	3.7	3.7	4.5	4.5	5.5	5.5
50	-	2.4	2.4	2.4	3.0	3.0	3.7	3.7	4.6	4.6	5.6	5.6	6.9	6.9
63	-	3.0	3.0	3.0	3.8	3.8	4.7	4.7	5.8	5.8	7.1	7.1	8.6	8.6
75	-	3.6	3.6	3.6	4.5	4.5	5.6	5.6	6.8	6.8	8.4	8.4	10.3	10.3
90	-	4.3	4.3	4.3	5.4	5.4	6.7	6.7	8.2	8.2	10.1	10.1	12.3	12.3
110	-	5.3	5.3	5.3	6.6	6.6	8.1	8.1	10.0	10.0	12.3	12.3	15.1	15.1
125	-	6.0	6.0	6.0	7.4	7.4	9.2	9.2	11.4	11.4	14.0	14.0	17.1	17.1
140	-	6.7	6.7	6.7	8.3	8.3	10.3	10.3	12.7	12.7	15.7	15.7	19.2	19.2
160	-	7.7	7.7	7.7	9.5	9.5	11.8	11.8	14.6	14.6	17.9	17.9	21.9	21.9
180	-	8.6	8.6	8.6	10.7	10.7	13.3	13.3	16.4	16.4	20.1	20.1	24.6	24.6
200	-	9.6	9.6	9.6	11.9	11.9	14.7	14.7	18.2	18.2	22.4	22.4	27.4	27.4
225	-	10.8	10.8	10.8	13.4	13.4	16.6	16.6	20.5	20.5	25.2	25.2	30.8	30.8
250	-	11.9	11.9	11.9	14.8	14.8	18.4	18.4	22.7	22.7	27.9	27.9	34.2	34.2
280	-	13.4	13.4	13.4	16.6	16.6	20.6	20.6	25.4	25.4	31.3	31.3	38.3	38.3
315	-	15.0	15.0	15.0	18.7	18.7	23.2	23.2	28.6	28.6	35.2	35.2	43.1	43.1
355	-	16.9	16.9	16.9	21.1	21.1	26.1	26.1	32.2	32.2	39.7	39.7	48.5	48.5
400	-	19.1	19.1	19.1	23.7	23.7	29.4	29.4	36.3	36.3	44.7	44.7	54.7	54.7
450	-	21.5	21.5	21.5	26.7	26.7	33.1	33.1	40.9	40.9	50.3	50.3	61.5	61.5
500	-	23.9	23.9	23.9	29.7	29.7	36.8	36.8	45.4	45.4	55.8	55.8	-	-
560	-	26.7	26.7	26.7	33.2	33.2	41.2	41.2	50.8	50.8	62.5	62.5	-	-
630	-	30.0	30.0	30.0	37.4	37.4	46.3	46.3	57.2	57.2	-	-	-	-