



Comply with International Standard

DIN 8074/8075, ISO 4427/4437

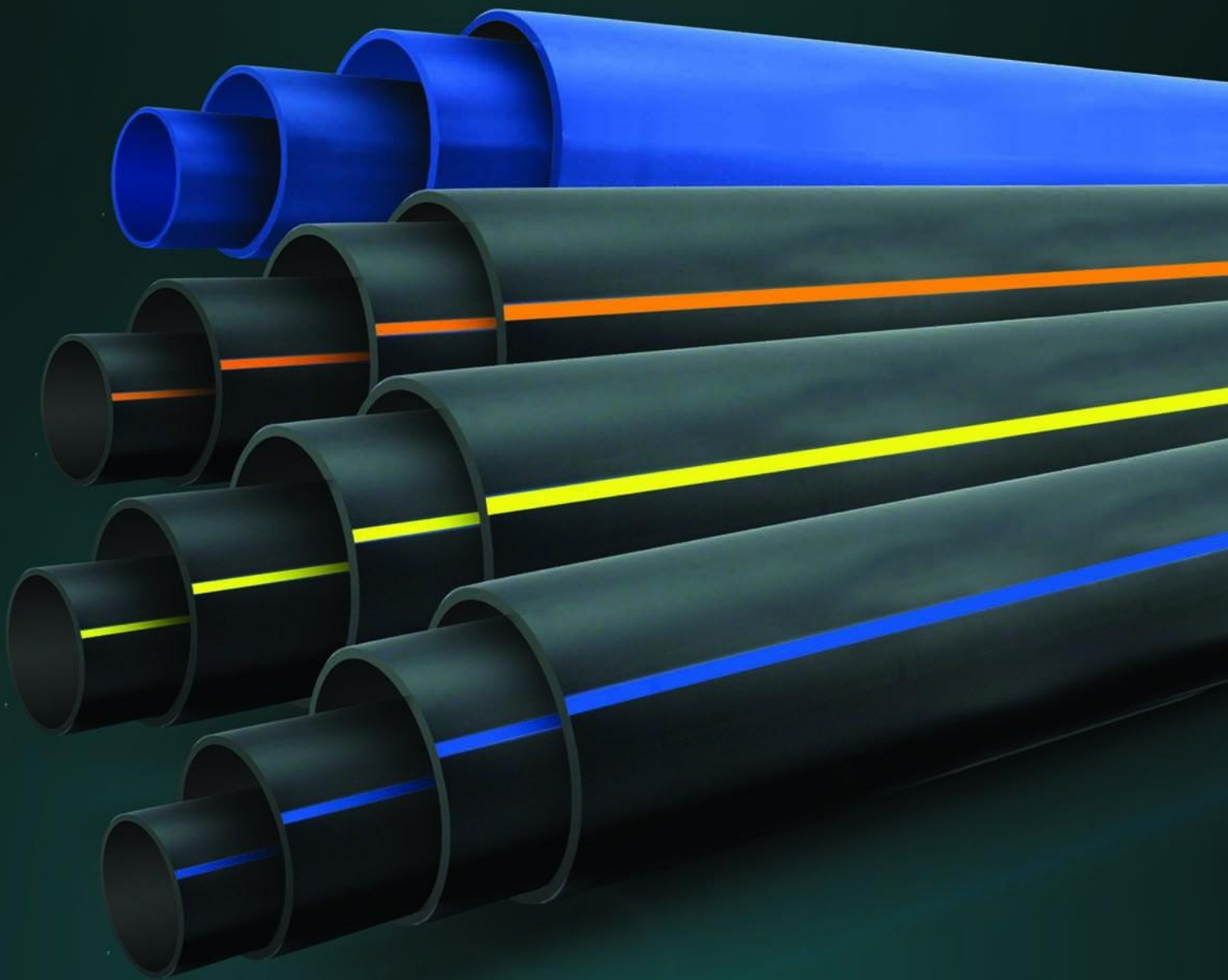
LINK

WATER.GAS.CONDUIT

HDPE PIPE

== AND ==

FITTINGS



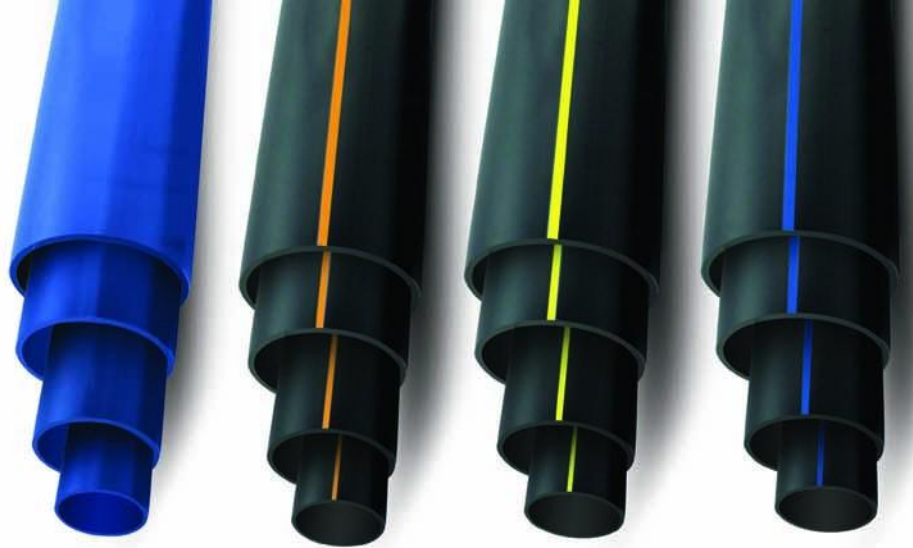
MADE IN MYANMAR



POLYETHYLENE PIPE

Complies with DIN 8074/8075, ISO 4427/4437

PE 100 Pipe Products
PE 80 Pipe Products








TECHNICAL DATA

Standard :	DIN 8074/8075, ISO 4427/4437
Size Range :	16 mm OD to 1600 mm OD
Material :	PE 100 Polyethylene (Water/Sewer) PE 80/100 (Gas) PE 80/100 (Electrical/Communications)
Pressure Range :	PN4 to PN25 (at 20°C)
Lengths :	Coils : 25m to 100m (Refer Table below) Pipe : Standard 6m and 12 m Other lengths made to order

PRODUCT APPLICATION

COLOUR IDENTIFICATION

APPLICATION

	Black	Non Potable Water
	Solid Blue	Potable Water
	Dark Blue Stripe	Potable Water
	Yellow Stripe	Gas
	Orange	Electrical/ Communication Conduit

OPERATING PRESSURES - PE100 PIPE

		PN 4	PN 6.3	PN 8	PN 10	PN 12.5	PN 16	PN 20	PN 25
Pressure Class:									
SDR Ratio:		SDR 41	SDR 26	SDR 21	SDR 17	SDR 13.6	SDR 11	SDR 9	SDR 7.4
Operating Temp (°C)	Min Life (Yrs)	Maximum Allowable Operating Pressure (kPa)							
		400	640	800	1000	1270	1600	2000	2500
20	100	400	640	800	1000	1270	1600	2000	2500
25	100	360	580	730	910	1150	1450	1820	2270
30	100	360	580	730	910	1150	1450	1820	2270
35	50	330	530	670	830	1060	1330	1670	2080
40	50	330	530	670	830	1060	1330	1670	2080
45	35	310	490	620	770	990	1230	1540	1920
50	22	290	460	570	710	910	1140	1430	1790
55	15	290	460	570	710	910	1140	1430	1790
60	7	270	430	530	670	850	1070	1330	1670
80	1	200	320	400	500	630	800	1000	1250

Source: PIPA Industry Guideline POP013 (Refer source for PE80 Pipe Pressures)

SDR: Standard Dimension Ratio = Outside Diameter / Wall Thickness

SERIES 1 PIPE DIMENSIONS

POLYETHYLENE PIPE DIMENSIONS - DIN - 8074/8075, ISO - 4427												
TYPE	SDR 41			SDR 33			SDR 26			SDR 21		
PE100	PN 4			PN 4			PN 6.3			PN 8		
PE80	PN 3.2			PN 4			PN 6.3			PN 6.3		
Nom OD	Min Wall	Mean ID	Av Mass Kg/m	Min Wall	Mean ID	Av Mass Kg/m	Min Wall	Mean ID	Av Mass Kg/m	Min Wall	Mean ID	Av Mass Kg/m
16												
20												
25												
32										1.6	28.7	0.16
40										1.9	36.1	0.23
50										2.4	45.1	0.36
63							2.4	58.1	0.46	3.0	56.9	0.57
75				2.3	70.4	0.53	2.9	69.2	0.67	3.6	67.7	0.82
90				2.8	84.5	0.77	3.5	83.0	1.0	4.3	81.3	1.2
110	2.7	104.7	0.92	3.4	103.2	1.1	4.3	101.3	1.5	5.3	99.2	1.8
125	3.1	118.9	1.2	3.9	117.3	1.5	4.8	115.4	1.8	6.0	112.9	2.3
140	3.5	133.2	1.5	4.3	131.5	1.8	5.4	129.2	2.3	6.7	126.5	2.8
160	4.0	152.3	2.0	4.9	150.4	2.4	6.2	147.6	3.0	7.7	144.5	3.7
180	4.4	171.5	2.5	5.5	169.2	3.0	6.9	166.3	3.8	8.6	162.7	4.7
200	4.9	190.5	3.0	6.2	187.7	3.8	7.7	184.6	4.7	9.6	180.6	5.8
225	5.5	214.4	3.8	6.9	211.5	4.8	8.6	207.9	5.9	10.8	203.3	7.4
250	6.2	238.0	4.8	7.7	234.9	5.9	9.6	230.9	7.4	11.9	226.1	9.0
280	6.9	266.7	6.0	8.6	263.1	7.4	10.7	258.7	9.2	13.4	253.0	11.4
315	7.7	300.2	7.5	9.7	296.0	9.4	12.1	290.9	11.7	15.0	284.9	14.3
355	8.7	338.2	9.6	10.9	333.6	11.9	13.6	327.9	14.8	16.9	321.0	18.2
400	9.8	380.0	12.2	12.3	375.8	15.1	15.3	369.5	18.8	19.1	361.5	23.2
450	11.0	428.9	15.4	13.8	423.0	19.1	17.2	415.8	23.8	21.5	406.8	29.3
500	12.3	476.3	19.1	15.3	470.0	23.5	19.1	462.0	29.3	23.9	452.0	36.2
560	13.7	533.7	23.9	17.2	526.3	29.6	21.4	517.5	36.8	26.7	506.4	45.3
630	15.4	600.4	30.2	19.3	592.2	37.4	24.1	582.1	46.6	30.0	569.8	57.3
710	17.4	676.5	38.4	21.8	667.3	47.6	27.2	655.9	59.3	33.9	641.9	73.0
800	19.6	762.3	48.8	24.5	752.0	60.2	30.6	739.2	75.2	38.1	723.4	92.4
900	22.0	857.8	61.6	27.6	846.0	76.3	34.4	831.7	95.1	42.9	813.9	117.1
1000	24.5	952.9	76.2	30.6	940.1	94.0	38.2	924.1	117.4	47.7	904.2	144.6
1200	29.4	1143.1	109.7	36.7	1127.8	135.3	45.9	1108.5	169.2	57.2	1084.7	208.1
1400	34.4	1332.6	149.8	42.9	1314.8	184.5	53.2	1293.1	228.8			
1600	39.3	1522.3	195.6	49.0	1502.0	240.9	61.3	1476.1	301.3			

Mass shown is an average only and will vary depending on PE80/100 material and manufacturing tolerances

SERIES 1 PIPE DIMENSIONS

POLYETHYLENE PIPE DIMENSIONS - DIN - 8074/8075, ISO - 4427												
TYPE	SDR 17			SDR 13.6			SDR 11			SDR 9		
PE100	PN 10			PN 12.5			PN 16			PN 20		
PE80	PN 8			PN 10			PN 12.5			PN 16		
Nom OD	Min Wall	Mean ID	Av Mass Kg/m	Min Wall	Mean ID	Av Mass Kg/m	Min Wall	Mean ID	Av Mass Kg/m	Min Wall	Mean ID	Av Mass Kg/m
16							1.6	12.7	0.08	1.8	12.3	0.09
20				1.6	16.7	0.10	1.9	16.1	0.11	2.3	15.2	0.14
25	1.6	21.7	0.12	1.9	21.1	0.14	2.3	20.2	0.17	2.8	19.2	0.21
32	1.9	28.1	0.18	2.4	27.0	0.23	2.9	26.0	0.28	3.6	24.5	0.35
40	2.4	35.0	0.29	3.0	33.8	0.36	3.7	32.3	0.44	4.5	30.6	0.54
50	3.0	43.9	0.45	3.7	42.4	0.56	4.6	40.4	0.69	5.6	38.4	0.84
63	3.8	55.2	0.72	4.7	53.3	0.89	5.8	51.0	1.1	7.1	48.2	1.3
75	4.5	65.8	1.0	5.5	63.7	1.2	6.8	61.0	1.5	8.4	57.6	1.9
90	5.4	79.0	1.5	6.6	76.5	1.8	8.2	73.1	2.2	10.1	69.1	2.7
110	6.6	96.5	2.2	8.1	93.3	2.7	10.0	89.4	3.3	12.3	84.5	4.1
125	7.4	109.9	2.8	9.2	106.1	3.5	11.4	101.5	4.3	14.0	96.1	5.3
140	8.3	123.1	3.5	10.3	118.9	4.3	12.7	113.9	5.3	15.7	107.6	6.6
160	9.5	140.7	4.6	11.8	135.9	5.7	14.6	130.0	7.0	17.9	123.1	8.6
180	10.7	158.3	5.8	13.3	152.8	7.2	16.4	146.3	8.9	20.1	138.5	10.9
200	11.9	175.8	7.1	14.7	169.9	8.8	18.2	162.5	10.9	22.4	153.7	13.4
225	13.4	197.8	9.0	16.6	191.1	11.2	20.5	182.9	13.8	25.1	173.2	16.9
250	14.8	220.0	11.1	18.4	212.4	13.8	22.7	203.4	17.0	27.9	192.5	20.9
280	16.6	246.3	13.9	20.6	237.9	17.3	25.4	227.8	21.3	31.3	215.4	26.3
315	18.7	277.1	17.7	23.2	267.6	21.9	28.6	256.3	27.0	35.2	242.4	33.3
355	21.1	311.1	22.5	26.1	301.6	27.8	32.2	288.8	34.3	39.6	273.3	42.2
400	23.7	351.9	28.4	29.4	339.9	35.3	36.3	325.4	43.6	44.7	307.8	53.6
450	26.7	395.9	36.0	33.1	382.4	44.7	40.9	366.1	55.2	50.2	346.5	67.8
500	29.6	440.0	44.4	36.8	424.9	55.2	45.4	406.8	68.1	55.8	385.0	83.7
560	33.2	492.7	55.8	41.2	475.9	69.2	50.8	455.8	85.4			
630	37.3	554.4	70.5	46.3	535.5	87.5	57.2	512.6	108.1			
710	42.1	624.6	89.7	52.2	603.4	111.2						
800	47.4	703.9	113.8	58.8	680.0	141.1						
900	53.5	791.7	144.5									
1000	59.3	879.8	177.9									
1200												
1400												
1600												

Mass shown is an average only and will vary depending on PE80/100 material and manufacturing tolerances

PE Fabricated Fittings



Reducer



Elbow



Flange Spigot



Reducing Tee



Equal Tee



Y Tee

PP Compression Fittings



**Male Threaded
Adaptor**



**Female Threaded
Adaptor**



**Compression
End Cap**



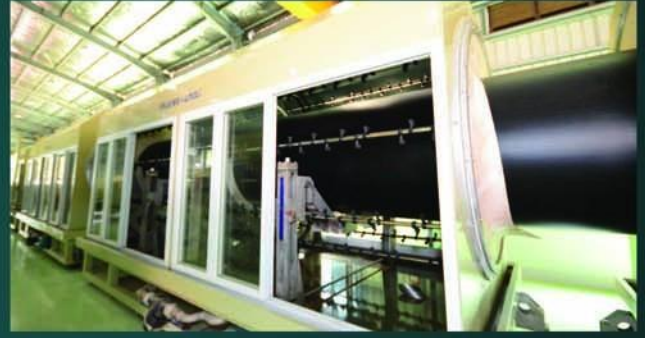
Straight Coupler



Equal Tee



Equal Elbow



AUTHENTIC

**Authentic Production
Co., Ltd.**

Head Office : Room No. 304, Condo D, Kabaraye Villa,
Kabaraye Pagoda Road, Mayangone Tsp,
Yangon, Myanmar. Tel : 95-1-652650, 652674
Fax : 95-1-651756

Factory : 21(C), Bo Chan Street, Pyinmapin Quarter
Mingalardon Tsp, Yangon, Myanmar.
Tel : 95-1-637695, Fax : 95-1-637695