WALL THICKNESS & WEIGHT CHART OF HDPE PIPES AS PER IS: 14333 - 1996

MATERIAL GRADE : PE-63

Pipe	Toler.		PN 2.5			PN 4			PN 6			PN 8			PN 10			PN 12.5			PN 16	
OD	on OD	Min	Max		Min	Max		Min	Max		Min	Max		Min	Max		Min	Max		Min.	Max.	
(mm)		(mm)	(mm)		(mm)	(mm)		(mm)	(mm)		(mm)	(mm)		(mm)	(mm)		(mm)	(mm)		(mm)	(mm)	
63	0.6				4.0	4.6	54.4	5.80	6.60	50.6	7.5	8.5	47.0	9.0	10.1	43.9	10.9	12.2	39.9	13.3	14.9	34.8
75	0.7	3.0	3.5	68.5	4.7	5.4	64.9	6.90	7.80	60.3	8.9	10.0	56.1	10.8	12.1	52.1	13.0	14.5	47.5	15.8	17.6	41.6
90	0.9	3.6	4.2	82.2	5.7	6.5	77.8	8.20	9.30	72.5	10.6	11.9	67.5	12.9	14.4	62.7	15.6	17.4	57.0	19.0	21.1	49.9
110	1.0	4.4	5.1	100.5	6.9	7.8	95.3	10.00	11.20	88.8	13.0	14.5	82.5	15.8	17.6	76.6	19.0	21.1	69.9	23.2	25.8	61.0
125	1.2	5.0	5.7	114.3	7.9	8.9	108.2	11.40	12.80	100.8	14.8	16.5	93.7	17.9	19.9	87.2	21.6	24.0	79.4	26.4	29.3	69.3
140	1.3	5.6	6.4	128.0	8.8	9.9	121.3	12.80	14.30	112.9	16.5	18.4	105.1	20.0	22.2	97.8	24.2	26.9	88.9	29.5	32.7	77.8
160	1.5	6.4	7.3	146.3	10.0	11.2	138.8	14.60	16.30	129.1	18.9	21.0	120.1	22.9	25.4	111.7	27.6	30.6	101.8	33.7	37.3	89.0
180	1.7	7.2	8.2	164.6	11.3	12.7	156.0	16.40	18.30	145.3	21.2	23.6	135.2	25.8	28.6	125.6	31.1	34.5	114.4	37.9	41.9	100.2
200	1.8	8.0	9.0	183.0	12.5	14.0	173.5	18.20	20.30	161.5	23.6	26.2	150.2	28.6	31.7	139.7	34.5	38.2	127.3	42.2	46.7	111.1
225	2.1	9.0	10.1	205.9	14.1	15.8	195.1	20.50	22.80	181.7	26.5	29.4	169.1	32.2	35.7	157.1	38.8	42.9	143.3	47.4	52.4	125.2
250	2.3	10.0	11.2	228.8	15.7	17.5	216.8	22.80	25.30	201.9	29.5	32.7	187.8	35.8	39.6	174.6	43.2	47.8	159.0	52.7	58.2	139.1
280	2.6	11.2	12.6	256.2	17.5	19.5	243.0	25.50	28.30	226.2	33.0	36.5	210.5	40.0	44.2	195.8	48.3	53.4	178.3			
315	2.9	12.6	14.1	288.3	19.7	21.9	273.4	28.70	31.80	254.5	37.1	41.1	236.8	45.0	49.7	220.3	54.4	60.1	200.5			
355	3.2	14.2	15.9	324.9	22.2	24.7	308.1	32.30	35.80	286.9	41.8	46.2	267.0	50.8	56.1	248.1						
400	3.6	16.0	18.6	365.4	25.0	29.0	346.0	36.40	42.10	321.5	47.1	54.4	298.5	57.2	66.0	276.8						
450	4.1	18.0	20.9	411.1	28.2	32.7	389.1	41.00	47.40	361.6	53.0	61.2	335.8									
500	4.5	20.0	23.2	456.8	31.3	36.2	432.5	45.50	52.60	401.9												
560	5.1	22.4	26.0	511.6	35.0	40.5	484.5	51.00	58.90	450.1												
630	5.7	25.2	29.2	575.6	39.4	45.6	545.0	57.30	66.10	506.6												
710	6.4	28.4	32.9	648.7	44.4	51.3	614.3															
800	7.2	32.0	37.0	731.0	50.0	57.7	692.3															
900	8.1	36.0	41.6	822.4	56.3	65.0	778.7															
1000	9.0	40.0	46.2	913.8																		

MATERIAL GRADE : PE-80

Pipe	Toler.		PN 2.5			PN 4			PN 6			PN 8			PN 10			PN 12.5			PN 16	
OD	on OD	Min	Max		Min	Max		Min	Max		Min	Max		Min	Max		Min	Max		Min.	Max.	
(mm)		(mm)	(mm)		(mm)	(mm)		(mm)	(mm)		(mm)	(mm)		(mm)	(mm)		(mm)	(mm)		(mm)	(mm)	
63	0.6				3.0	3.5	56.5	4.4	5.1	53.5	5.8	6.6	50.6	7.0	7.9	48.1	8.6	9.7	44.7	10.5	11.8	40.7
75	0.7	2.3	2.8	69.9	3.6	4.2	67.2	5.3	6.1	63.6	6.9	7.8	60.3	8.4	9.5	57.1	10.2	11.5	53.3	12.5	14.0	48.5
90	0.9	2.8	3.3	83.9	4.3	5.0	80.7	6.3	7.2	76.5	8.2	9.3	72.5	10.0	11.2	68.8	12.2	13.7	64.1	15.0	16.7	58.3
110	1.0	3.4	4.0	102.6	5.3	6.1	98.6	7.7	8.7	93.6	10.0	11.2	88.8	12.3	13.8	83.9	14.9	16.6	78.5	18.4	20.5	71.1
125	1.2	3.8	4.4	116.8	6.0	6.8	112.2	8.8	9.9	106.3	11.4	12.8	100.8	13.9	15.5	95.6	16.9	18.8	89.3	20.9	23.2	80.9
140	1.3	4.3	5.0	130.7	6.7	7.6	125.7	9.8	11	119.2	12.8	14.3	112.9	15.6	17.4	107.0	19.0	21.1	99.9	23.4	26.0	90.6
160	1.5	4.9	5.6	149.5	7.7	8.7	143.6	11.2	12.6	136.2	14.6	16.3	129.1	17.8	19.8	122.4	21.7	24.1	114.2	26.7	29.6	103.7
180	1.7	5.5	6.3	168.2	8.6	9.7	161.7	12.6	14.1	153.3	16.4	18.3	145.3	20.0	22.2	137.8	24.4	27.1	128.5	30.0	33.2	116.8
200	1.8	6.1	7.0	186.9	9.6	10.8	179.6	14	15.6	170.4	18.2	20.3	161.5	22.3	24.8	152.9	27.1	30.1	142.8	33.4	37.0	129.6
225	2.1	6.9	7.8	210.3	10.8	12.1	202.1	15.7	17.5	191.8	20.5	22.8	181.7	25.0	27.7	172.3	30.5	33.8	160.7	37.5	41.5	146.0
250	2.3	7.6	8.6	233.8	12.0	13.4	224.6	17.5	19.5	213.0	22.8	25.3	201.9	27.8	30.8	191.4	33.8	37.4	178.8	41.7	46.1	162.2
280	2.6	8.5	9.6	261.9	13.4	15.0	251.6	19.6	21.8	238.6	25.5	28.3	226.2	31.2	34.6	214.2	37.9	41.9	200.2	46.7	51.6	181.7
315	2.9	9.6	10.8	294.6	15.0	16.7	283.3	22	24.4	268.6	28.7	31.8	254.5	35.0	38.7	241.3	42.6	47.1	225.3	52.5	58.0	204.5
355	3.2	10.8	12.1	332.1	17.0	18.9	319.1	24.8	27.5	302.7	32.3	35.8	286.9	39.5	43.7	271.8	48.0	53.0	254.0	59.2	65.4	230.4
400	3.6	12.2	14.3	373.5	19.1	22.2	358.7	28	32.4	339.6	36.4	42.1	321.5	44.5	51.4	304.1	54.1	62.5	283.4			
450	4.1	13.7	16.0	420.3	21.5	25.0	403.5	31.4	36.4	382.2	41.0	47.4	361.6	50.0	57.7	342.3						
500	4.5	15.2	17.7	467.1	23.9	27.7	448.4	34.9	40.4	424.7	45.5	52.6	401.9	55.6	64.2	380.2						
560	5.1	17.0	19.8	523.2	26.7	31.0	502.3	39.1	45.2	475.7	51.0	58.9	450.1									
630	5.7	19.1	22.2	588.7	30.0	34.7	565.3	44	50.8	535.2	57.3	66.1	506.6									
710	6.4	21.0	25.1	663.9	33.9	39.2	636.9	49.6	57.3	603.1												
800	7.2	24.3	28.2	747.5	38.1	44.1	717.8	55.9	64.5	679.6												
900	8.1	27.3	31.6	841.1	42.9	49.6	807.5															
1000	9.0	30.4	35.2	934.4	47.7	55.1	897.2															

MATERIAL GRADE : PE-100

Pipe OD (mm)	Toler. on OD	PN 2.5			PN 4			PN 6			PN 8			PN 10			PN 12.5			PN 16		
		Min (mm)	Max (mm)		Min (mm)	Max (mm)		Min (mm)	Max (mm)		Min (mm)	Max (mm)		Min (mm)	Max (mm)		Min (mm)	Max (mm)		Min. (mm)	Max. (mm)	
63	0.6							3.6	4.2	55.2	4.7	5.4	52.9	5.8	6.6	50.6	7.0	7.9	48.1	8.7	9.8	44.5
75	0.7							4.3	5.0	65.7	5.6	6.4	63.0	6.9	7.8	60.3	8.4	9.5	57.1	10.4	11.7	52.9
90	0.9							5.1	5.9	79.0	6.7	7.6	75.7	8.2	9.3	72.5	10.0	11.2	68.8	12.5	14.0	63.5
110	1.0							6.3	7.2	96.5	8.2	9.3	92.5	10.0	11.2	88.8	12.3	13.8	83.9	15.2	17.0	77.8
125	1.2							7.1	8.1	109.8	9.3	10.5	105.2	11.4	12.8	100.8	13.9	15.5	95.6	17.3	19.3	88.4
140	1.3							8.0	9.0	123.0	10.4	11.7	117.9	12.8	14.3	112.9	15.6	17.4	107.0	19.4	21.6	99.0
160	1.5							9.1	10.3	140.6	11.9	13.3	134.8	14.6	16.3	129.1	17.8	19.8	122.4	22.1	24.6	113.3
180	1.7							10.2	11.5	158.3	13.4	15.0	151.6	16.4	18.3	145.3	20.0	22.2	137.8	24.9	27.6	127.5
200	1.8							11.4	12.8	175.8	14.9	16.6	168.5	18.2	20.3	161.5	22.3	24.8	152.9	27.6	30.6	141.8
225	2.1							12.8	14.3	197.9	16.7	18.6	189.7	20.5	22.8	181.7	25.0	27.7	172.3	31.1	34.5	159.4
250	2.3							14.2	15.9	219.9	18.6	20.7	210.7	22.8	25.3	201.9	27.8	30.8	191.4	34.5	38.2	177.3
280	2.6							15.9	17.7	246.4	20.8	23.1	236.1	25.2	28.3	226.5	31.2	34.6	214.2	38.7	42.8	198.5
315	2.9							17.9	19.9	277.2	23.4	26.0	265.6	28.7	31.8	254.5	35.0	38.7	241.3	43.5	48.1	223.4
355	3.2							20.1	22.4	312.5	26.3	29.2	299.5	32.3	35.8	286.9	39.5	43.7	271.8	49.0	54.1	251.9
400	3.6							22.7	26.4	350.9	29.7	34.4	335.9	36.4	42.1	321.5	44.5	51.4	304.1	55.2	63.7	281.1
450	4.1							25.5	29.6	394.9	33.4	38.7	377.9	41.0	47.4	361.6	50.0	57.7	342.3			
500	4.5							28.4	32.9	438.7	37.1	42.9	420.0	45.5	52.6	401.9	55.6	64.2	380.2			
560	5.1							31.7	36.7	491.6	41.5	48.0	470.5	51.0	58.9	450.1						
630	5.7							35.7	41.3	553.0	46.7	54.0	529.3	57.3	66.1	506.6						
710	6.4							40.2	46.5	623.3	52.6	60.7	596.7									
800	7.2							45.3	52.3	702.4												
900	8.1							51.0	58.9	790.1												
1000	9.0							56.7	65.5	877.8												