TABLE 3 WALL THICKNESS OF PIPES FOR MATERIAL GRADE PE 80

(All Dimensionsin Millimters)

Nominal Diameter Dn	Wall Thickness of Pipes for Pressure Ratings of													
	PN 2.5		PN 4		PN 6		PN 8		PN 10		PN 12.5		PN 16	
	Min.	Max	Min.	Max	Min.	Max	Min.	Max	Min.	Max	Min.	Max	Min.	Max
20	-	-	-	-	-	-	-	-	-	-	2.3	2.8	2.8	3.3
25	-	-	-	-	-	-	-	-	2.3	2.8	2.8	3.3	3.5	4.1
32	-	-	-	-	-	-	2.4	2.9	3.0	3.5	3.6	4.2	4.5	5.2
40	-	-	-	-	2.3	2.8	3.0	3.5	3.7	4.3	4.5	5.2	5.6	6.4
50	-	-	2.3	2.8	2.9	3.4	3.8	4.4	4.6	5.3	5.6	6.4	6.9	7.8
63	-	-	2.5	3.0	3.6	4.2	4.7	5.4	5.8	6.6	7.0	7.9	8.7	9.8
75	-	-	2.9	3.4	4.3	5.0	5.6	6.4	6.9	7.8	8.4	9.5	10.4	11.7
90	2.3	2.8	3.5	4.3	5.1	5.9	6.7	7.6	8.2	9.3	10.4	11.2	12.5	14.0
110	2.7	3.2	4.3	5.0	6.3	7.2	8.2	9.3	10.0	11.2	12.3	13.8	15.2	17.0
125	3.1	3.7	4.9	5.6	7.1	8.1	9.3	10.5	11.4	12.8	13.9	15.5	17.3	19.3
140	3.5	4.1	5.4	6.2	0.8	9.0	10.4	11.7	12.8	14.3	15.6	17.4	19.4	21.6
160	4.0	4.6	6.2	7.1	9.1	10.3	11.9	13.3	14.6	16.3	17.8	19.8	22.1	24.6
180	4.4	5.1	7.0	7.9	10.2	11.5	13.4	15.0	16.4	18.3	20.0	22.2	24.9	27.6
200	4.9	5.6	7.7	8.7	11.4	12.8	14.9	16.6	18.2	20.3	22.3	24.8	27.6	30.6
225	5.5	6.3	8.7	9.8	12.8	14.3	16.7	18.6	20.5	22.8	25.0	27.7	31.1	35.5
250	6.1	7.0	9.7	10.9	14.2	15.9	18.6	20.7	22.8	25.3	27.8	30.8	34.5	38.2
280	6.9	7.8	10.8	12.1	15.9	17.7	20.8	23.1	25.5	28.3	31.2	34.6	38.7	42.8
315	7.7	8.7	12.2	13.7	17.9	19.9	23.4	26.0	28.7	31.8	35.0	38.7	43.5	48.1
355	8.7	9.8	13.7	15.3	20.1	22.4	26.3	29.2	32.3	35.8	39.5	43.7	49.0	54.1
400	9.8	11.5	15.4	18.0	22.7	26.4	29.7	34.4	36.4	42.1	44.5	51.4	55.2	63.7
450	11.0	12.9	17.4	20.3	25.5	29.6	33.4	38.7	41.0	47.4	50.0	57.7	-	-
500	12.2	14.3	19.3	22.4	28.4	32.9	37.1	42.9	45.5	52.6	55.6	64.2	-	-
560	13.7	16.0	21.6	25.1	31.7	36.7	41.5	48.0	51.0	58.9	-	-	-	-
630	15.4	18.0	24.3	28.2	35.7	41.3	46.7	54.0	57.3	66.1	-	-	-	-
710	17.4	20.3	27.4	31.8	40.2	46.5	52.6	60.7	-	-	-	-	-	-
800	19.6	22.8	30.8	35.7	45.3	52.3	-	-	-	-	-	-	-	-
900	22.0	25.5	34.7	40.2	51.0	58.9	-	-	-	-	-	-	-	-
1000	24.4	28.3	38.5	44.5	56.7	65.5		-		-	-		-	-
													-	

TABLE 3 WALL THICKNESS OF PIPES FOR MATERIAL GRADE PE 100

(All Dimensionsin Millimters)

Nominal Diameter Dn	Wall Thickness of Pipes for Pressure Ratings of									
	PN 6		PN 8		PN 10		PN 12.5		PN 16	
	Min.	Max	Min.	Max	Min.	Max	Min.	Max	Min.	Max
20	-	-	-	-	-	-	-	-	2.3	2.8
25	-	-	-	-	-	-	2.3	2.8	2.9	3.4
32	-	-	-	-	2.4	2.9	2.9	3.4	3.7	4.3
40	-	-	2.4	2.9	3.0	3.5	3.7	4.3	4.6	5.3
50	2.3	2.8	3.0	3.5	3.7	4.3	4.6	5.3	5.7	6.5
63	2.9	3.4	3.8	4.4	4.7	5.4	5.7	6.5	7.1	8.1
75	3.5	4.1	4.5	5.2	5.6	6.4	6.8	7.7	8.5	9.6
90	4.1	4.8	5.4	6.2	6.7	7.6	8.2	9.3	10.2	11.5
110	5.0	5.7	6.6	7.5	8.1	9.2	10.0	11.2	12.4	13.9
125	5.7	6.5	7.5	8.5	9.2	10.4	10.4	12.7	14.1	15.8
140	6.4	7.3	8.4	9.5	10.3	11.6	11.3	14.2	15.8	17.6
160	7.3	8.3	9.6	10.8	11.8	13.2	12.7	16.2	18.1	20.2
180	8.2	9.3	10.8	12.1	13.3	14.9	14.5	18.2	20.1	22.6
200	9.1	10.3	12.0	13.4	14.8	16.5	16.3	20.2	22.6	25.1
225	10.3	11.6	13.5	15.1	16.6	18.5	18.1	22.7	25.4	28.2
250	11.4	12.8	15.0	16.7	18.4	20.5	20.4	25.1	28.2	31.3
280	12.8	14.3	16.8	18.7	20.6	22.9	22.6	28.1	31.6	35.0
315	14.4	16.1	18.9	21.0	23.2	25.8	25.3	31.6	35.5	39.3
355	16.2	18.1	21.2	23.6	26.2	29.1	28.5	35.6	40.0	44.2
400	18.2	21.2	23.9	27.7	29.5	34.2	32.1	41.9	45.1	52.1
450	20.5	23.8	26.9	31.2	33.1	38.3	36.2	47.1	50.8	58.7
500	22.8	26.5	29.9	34.6	36.8	42.6	40.7	52.2	56.4	65.1
560	25.5	29.6	33.5	38.8	41.2	47.6	45.2	58.4	-	-
630	28.7	33.3	37.7	43.6	46.4	53.6	50.6	65.7	-	-
710	32.3	37.4	42.4	49.0	52.3	60.4	56.9	-	-	-
800	36.4	42.1	47.8	55.2	58.9	68.0	-	-	-	-
900	41.0	47.4	53.8	62.1	-	-	-	-	-	-
1000	45.5	52.6	-	-	-	-	-	-	-	-

PRODUCT INFORMATION OF HDPE PIPES AS PER IS : 14333/96 SPECIFICATIONS

SPECIFICATION : IS 14333/96 (HIGH DENSITY POLYETHYLENE PIPES FOR SEWERAGE.

GRAND - PE 63 (PROSTATIC DESIGN STREES A MPA AT 5.0° C OF 50 YEARS OF SERVICE

(All Dimensions in Millimeters)

Pipe Size	Tolerence	PN 2.5			PN 4.0			PN 6.0			PN 8.0			PN 10.0		
(MM)	(MM)	MIN. Wt.	Max. Wt.	KG/MTR	MIN. Wt.	Max. Wt.	KG/MTR	MIN. Wt.	Max. Wt.	KG/MTR	MIN. Wt.	Max. Wt.	KG/MTR	MIN. Wt.	Max. Wt.	KG/MTR
63.0	0.6	-	-	-	4.0	4.6	0.762	6.8	6.6	1.064	7.50	8.50	1.329	9.0	10.1	1.542
75.0	0.7	3.0	3.5	0.704	4.7	5.4	1.067	6.9	7.8	1.502	8.90	10.00	1.871	10.8	12.1	2.198
90.0	0.9	3.6	4.2	1.017	5.7	6.5	1.546	8.2	9.3	2.148	10.60	11.90	2.677	12.9	14.4	3.150
110.0	1.0	4.4	5.1	1.509	6.9	7.8	2.278	10.0	11.2	3.182	13.00	14.50	3.997	15.8	17.6	4.707
125.0	1.2	5.0	5.7	1.933	7.9	8.8	2.942	11.4	12.8	4.126	14.80	16.50	5.170	17.9	19.9	6.059
140.0	0.5	2.0	2.4	1.379	8.8	9.9	3.677	12.8	14.3	5.158	16.50	18.40	6.438	20.0	22.2	7.554
160.0	1.5	6.4	7.3	3.167	10.0	11.2	4.782	14.6	16.3	6.745	18.90	21.00	8.440	22.9	25.4	9.912
180.0	1.7	7.2	8.2	4.006	11.3	12.7	6.088	16.4	18.3	8.523	21.20	23.60	10.664	25.8	28.6	12.557
200.0	1.8	8.0	9.0	4.914	12.5	14.0	7.470	18.2	20.3	10.506	23.60	26.50	13.167	28.6	31.7	15.468
225.0	2.1	9.0	10.0	6.212	14.1	15.8	9.482	20.5	22.8	13.296	26.5	29.4	16.636	32.2	35.7	19.595
250.0	2.3	10.0	11.2	7.661	15.7	17.5	11.698	22.8	25.3	16410	29.5	32.7	20.562	35.8	39.6	24.178
280.0	2.6	11.2	12.6	9.632	17.5	19.5	14.608	25.5	28.3	20.561	33.0	36.5	25.742	40.0	44.2	30.257
315.0	2.9	12.6	14.1	12.158	19.7	21.9	18.477	28.7	31.8	26.012	37.1	41.1	32.583	45.0	49.7	38.284
355.0	3.2	14.2	15.9	15.444	22.2	24.7	23.473	32.3	35.8	32.999	41.8	46.2	41.326	50.1	56.1	48.684
400.0	3.6	16.0	18.6	19.986	25.0	29.0	30.405	36.4	42.1	42.755	47.1	54.4	53.529	57.2	66.0	62.965
450.0	4.1	18.0	20.9	25.281	28.2	32.7	38.572	41.0	47.4	54.163	53.0	61.2	67.758	-	-	-
500.0	4.5	20.0	23.2	31.194	31.3	36.2	47.508	45.5	52.6	66.790	-	-	-	-	-	-
560.0	5.0	22.4	26.0	39.140	35.0	40.5	59.518	51.0	58.9	83.797	-	-	-	-	-	-
630.0	5.7	25.2	29.2	49.496	39.4	45.6	75.384	57.3	66.1	105.881	-	-	-	-	-	-
710.0	5.7	28.4	32.9	62.824	44.4	51.3	95.606	-	-	-	-	-	-	-	-	-
800.0	6.4	32.0	37.0	79.682	50.0	57.7	121.242	-	-	-	-	-	-	-	-	-
900.0	7.2	36.0	41.6	100.816	56.3	65.0	153.608	-	-	-	-	-	-	-	-	-
1000.0	8.1	40.0	46.2	124.440	-	-	-	-	-	-	-	-	-	-	-	-