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

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

GRAND - PE 80 (PROSTATIC DESIGN STREES at 6.3 Map at 20° C to 50 YEARS OF SERVICE

(All Dimensions in Millimeters)

Pipe Size	Tolerence	PN 2.5			PN 4.0			PN 6.0			PN 10.0			PN 8.0		
(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	-	-	-	3.0	3.5	0.586	4.4	5.1	0.836	7.0	7.9	1.250	5.8	6.6	1.064
75.0	0.7	2.3	2.8	0.558	3.6	4.2	0.837	5.3	6.1	1.193	8.4	9.5	1.786	6.9	7.8	1.502
90.0	0.9	2.8	3.3	0.801	4.3	5.0	1.199	6.3	7.2	1.698	10.0	11.2	2.543	8.2	9.3	2.148
110.0	1.0	3.4	4.0	1.187	5.3	6.1	1.795	7.7	8.7	2.520	12.3	13.8	3.821	10.0	11.2	3.182
125.0	1.2	3.8	4.4	1.497	6.0	6.8	2.292	8.8	9.9	3.26	13.9	15.5	4.898	11.4	12.8	4.126
140.0	0.5	4.3	5.0	1.900	6.7	7.6	2.868	9.8	11.0	4.070	15.6	17.4	6.155	12.8	14.3	5.174
160.0	1.5	4.9	5.6	2.453	7.7	8.7	3.758	11.2	12.6	5.322	17.8	19.8	8.018	14.6	16.3	6.745
180.0	1.7	5.5	6.3	3.101	8.6	9.7	4.720	12.6	14.1	6.719	20.0	22.2	10.128	16.4	18.3	8.523
200.0	1.8	6.1	7.0	3.825	9.6	10.8	5.844	14.0	15.6	8.275	22.3	24.8	12.549	18.2	20.3	10.506
225.0	2.1	6.9	7.8	4.830	10.8	12.1	7.383	15.7	17.5	10.447	25.0	27.7	15.81	20.5	22.8	13.296
250.0	2.3	7.6	8.6	5.915	12.0	13.4	9.099	17.5	19.5	12.932	27.8	30.8	19.53	22.8	25.3	16.410
280.0	2.6	8.5	9.6	7.403	13.4	15.0	11.396	19.6	21.8	16.208	31.2	34.6	24.554	25.5	28.3	20.561
315.0	2.9	9.6	10.8	9.386	15.0	16.7	14.315	22.0	24.4	20.441	35.0	38.7	30.957	28.7	31.8	26.012
355.0	3.2	10.8	12.1	11.874	17.0	18.9	18.264	24.8	27.5	25.963	39.5	43.7	39.372	32.3	35.8	32.999
400.0	3.6	12.2	14.3	15.468	19.1	22.2	23.648	28.0	32.4	33.718	44.5	51.4	50.979	36.4	42.1	42.755
450.0	4.1	13.7	16.0	19.507	21.5	25.0	29.954	31.4	36.4	42.591	50.0	57.7	64.427	41.0	47.4	54.163
500.0	4.5	15.2	17.7	24.011	23.9	27.7	36.933	34.9	40.4	52.557	55.6	64.2	79.611	45.5	52.6	66.790
560.0	5.0	17.0	19.8	30.080	26.7	31.0	42.258	39.1	45.2	65.899	-	-	-	51.0	58.9	83.797
630.0	5.7	19.1	22.2	37.984	30.0	34.7	58.367	44.0	50.8	83.378	-	-	-	57.3	66.1	105.881
710.0	5.7	21.6	25.1	48.373	33.9	39.2	74.269	49.6	57.3	105.896	-	-	-	-	-	-
800.0	6.4	24.3	28.2	61.278	38.1	44.1	94.110	55.9	64.5	134.39	-	-	-	-	-	-
900.0	7.2	27.3	31.6	77.349	42.9	49.6	119.139	-	-	-	-	-	-	-	-	-
1000.0	8.1	30.4	35.2	95.717	47.7	55.1	147.122	-	-	-	-	-	-	-	-	-

Pipe Size (MM)	Tolerence (MM)	PN 6.0			PN 8.0			PN 10.0			PN 12.5			PN 16.0		
		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	3.6	4.2	0.696	4.7	5.4	0.884	5.8	6.6	1.064	7.0	7.9	1.250	8.7	9.8	1.509
75.0	0.7	4.3	5.0	0.988	5.6	6.4	1.250	6.9	7.8	1.502	8.4	9.5	1.786	10.4	11.7	2.135
90.0	0.9	5.1	5.9	1.404	6.7	7.6	1.790	8.2	9.3	2.148	10.0	11.2	2.543	12.5	14.0	3.073
110.0	1.0	6.3	7.2	2.104	8.2	9.3	2.675	10.0	11.2	4.126	12.3	13.8	3.821	15.2	17.0	4.566
125.0	1.2	7.1	8.1	2.694	9.3	10.5	3.442	12.8	14.3	5.174	13.9	15.5	4.898	17.3	19.3	5.900
140.0	0.5	8.0	9.0	3.375	10.4	11.7	4.303	14.6	16.3	6.745	15.6	17.4	6.155	19.4	21.6	7.400
160.0	1.5	9.1	10.3	4.402	11.9	13.3	5.60	16.4	18.3	8.523	17.8	19.8	8.018	22.1	24.6	9.640
180.0	1.7	10.2	11.5	5.542	13.4	15.0	7.110	18.2	20.3	10.506	20.0	22.2	10.128	24.9	27.6	12.193
200.0	1.8	11.4	12.8	6.864	14.9	16.6	8.762	20.5	22.8	13.296	22.3	24.8	12.549	27.6	30.6	15.021
225.0	2.1	12.8	14.3	8.651	16.7	18.6	11.052	22.8	25.3	16.410	25.0	27.7	15.810	31.1	34.5	19.045
250.0	2.3	14.2	15.9	10.676	18.6	2.7	13.668	25.2	28.3	20.459	27.8	30.8	19.530	34.5	38.2	23.460
280.0	2.6	15.9	17.7	13.351	20.98	23.1	17.104	28.7	31.8	26.012	31.2	34.6	24.554	38.7	42.8	29.452
315.0	2.9	17.9	19.9	16.897	23.4	26.0	21.652	32.3	35.8	32.999	35.0	38.7	30.957	43.5	48.1	37.244
355.0	3.2	20.1	22.4	21.411	26.3	29.2	27.418	36.4	42.1	42.755	39.5	43.7	39.372	49.0	54.1	47.248
400.0	3.6	22.7	26.4	27.827	29.7	34.4	35.606	41.0	47.4	54.163	44.5	51.4	50.979	55.2	63.7	61.151
450.0	4.1	25.5	29.6	35.138	33.4	38.7	45.059	45.5	52.6	66.790	50.0	57.7	64.427	-	-	-
500.0	4.5	28.4	32.9	43.430	37.1	42.9	55.555	51.0	58.9	83.797	55.6	64.2	79.611	-	-	-
560.0	5.0	31.7	36.7	51.286	41.5	48.0	69.614	57.3	66.1	105.881	-	-	-	-	-	-
630.0	5.7	35.7	41.3	68.752	46.7	54.0	88.121	-	-	-	-	-	-	-	-	-
710.0	5.7	40.2	46.5	87.201	52.6	60.7	111.691	-	-	-	-	-	-	-	-	-
800.0	6.4	45.3	52.3	110.612	-	-	-	-	-	-	-	-	-	-	-	-
900.0	7.2	51.0	58.9	140.113	-	-	-	-	-	-	-	-	-	-	-	-
1000.0	8.1	56.7	65.5	173.106	-	-	-	-	-	-	-	-	-		-	-