UPI POLYMERS PVT. LTD.

IS 4984 : 1995 HIGH DENSITY POLYETHYLENE PIPES FOR WATER SUPPLY – SPECIFICATION

WALL THICKNESS OF PIPES AS PER IS: 4984 – 1995 PE63															
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)
20	0.3									2.3	2.8	2.8	3.3	3.4	4
25	0.3							2.3	2.8	2.8	3.3	3.4	4.0	4.2	4.9
32	0.3					2.3	2.8	3.0	3.5	3.6	4.2	4.4	5.1	5.4	6.2
40	0.4			2.0	2.4	2.8	3.3	3.7	4.3	4.5	5.2	5.5	6.3	6.7	7.6
50	0.5			2.4	2.9	3.5	4.1	4.6	5.3	5.6	6.4	6.8	7.7	8.4	9.5
63	0.6	2.0	2.4	3.0	3.5	4.4	5.1	5.8	6.6	7.0	7.9	8.6	9.7	10.5	11.8
75	0.7	2.3	2.8	3.6	4.2	5.3	6.1	6.9	7.8	8.4	9.5	10.2	11.5	12.5	14.0
90	0.9	2.8	3.3	4.3	5.0	6.3	7.2	8.2	9.3	10.0	11.2	12.2	13.7	15.0	16.7
110	1.0	3.4	4.0	5.3	6.1	7.7	8.7	10.0	11.2	12.3	13.8	14.9	16.6	18.4	20.5
125	1.2	3.8	4.4	6.0	6.8	8.8	9.9	11.4	12.8	13.9	15.5	16.9	18.8	20.9	23.2
140	1.3	4.3	5.0	6.7	7.6	9.8	11.0	12.8	14.3	15.6	17.4	19.0	21.1	23.4	26.0
160	1.5	4.9	5.6	7.7	8.7	11.2	12.6	14.6	16.3	17.8	19.8	21.7	24.1	26.7	29.6
180	1.7	5.5	6.3	8.6	9.7	12.6	14.1	16.4	18.3	20.0	22.2	24.4	27.1	30.0	33.2
200	1.8	6.1	7.0	9.6	10.8	14.0	15.6	18.2	20.3	22.3	24.8	27.1	30.1	33.4	37.0
225	2.1	6.9	7.8	10.8	12.1	15.7	17.5	20.5	22.8	25.0	27.7	30.5	33.8	37.5	41.5
250	2.3	7.6	8.6	12.0	13.4	17.5	19.5	22.8	25.3	27.8	30.8	33.8	37.4	41.7	46.1
280	2.6	8.5	9.6	13.4	15.0	19.6	21.8	25.5	28.3	31.2	34.6	37.9	41.9	46.7	51.6
315	2.9	9.6	10.8	15.0	16.7	22.0	24.4	28.7	31.8	35.0	38.7	42.6	47.1	52.5	58.0
355	3.2	10.8	12.1	17.0	18.9	24.8	27.5	32.3	35.8	39.5	43.7	48.0	53.0	59.2	65.4
400	3.6	12.2	14.3	19.1	22.2	28.0	32.4	36.4	42.1	44.5	51.4	54.1	62.5		
450	4.1	13.7	16.0	21.5	25.0	31.4	36.4	41.0	47.4	50.0	57.7				
500	4.5	15.2	17.7	23.9	27.7	34.9	40.4	45.5	52.6	55.6	64.2				
560	5.0	17.0	19.8	26.7	31.0	39.1	45.2	51.0	58.9						
630	5.7	19.1	22.2	30.0	34.7	44.0	50.8	57.3	66.1						
710	6.4	21.6	25.1	33.9	39.2	49.6	57.3								
800	7.2	24.3	28.2	38.1	44.1	55.9	64.5								
900	8.1	27.3	31.6	42.9	49.6										
1000	9.0	30.4	35.2	47.7	55.1										

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IS 4984 : 1995 HIGH DENSITY POLYETHYLENE PIPES FOR WATER SUPPLY – SPECIFICATION

WALL THICKNESS OF PIPES AS PER IS: 4984 – 1995 PE80															
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)
20	0.3											2.3	2.8	2.8	3.3
25	0.3									2.3	2.8	2.8	3.3	3.5	4.1
32	0.3							2.4	2.9	3.0	3.5	3.6	4.2	4.5	5.2
40	0.4					2.3	2.8	3.0	3.5	3.7	4.3	4.5	5.2	5.6	6.4
50	0.5			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	0.6			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	0.7			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	0.9	2.3	2.8	3.5	4.1	5.1	5.9	6.7	7.6	8.2	9.3	10.0	11.2	12.5	14.0
110	1.0	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	1.2	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	1.3	3.5	4.1	5.4	6.2	8.0	9.0	10.4	11.7	12.8	14.3	15.6	17.4	19.4	21.6
160	1.5	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	1.7	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	1.8	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	2.1	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	34.5
250	2.3	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	2.6	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	2.9	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	3.2	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	3.6	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	4.1	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	4.5	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	5.0	13.7	16.0	21.6	25.1	31.7	36.7	41.5	48.0	51.0	58.9				
630	5.7	15.4	18.0	24.3	28.2	35.7	41.3	46.7	54.0	57.3	66.1				
710	6.4	17.4	20.3	27.4	31.8	40.2	46.5	52.6	60.7						
800	7.2	19.6	22.8	30.8	35.7	45.3	52.3								
900	8.1	22.0	25.5	34.7	40.2	51.0	58.9								
1000	9.0	24.4	28.3	38.5	44.5	56.7	65.5								

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WALL THICKNESS OF PIPES AS PER IS: 4984 – 1995 PE100											
Pipe	Toler.	PN 6		PN 8		PN 10		PN 12.5		PN 16	
OD	on OD	Min	Max	Min	Max	Min	Max	Min	Max	Min.	Max.
(mm)		(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)
20	0.3									2.3	2.8
25	0.3							2.3	2.8	2.9	3.4
32	0.3					2.4	2.9	2.9	3.4	3.7	4.3
40	0.4			2.4	2.9	3.0	3.5	3.7	4.3	4.6	5.3
50	0.5	2.3	2.8	3.0	3.5	3.7	4.3	4.6	5.3	5.7	6.5
63	0.6	2.9	3.4	3.8	4.4	4.7	5.4	5.7	6.5	7.1	8.1
75	0.7	3.5	4.1	4.5	5.2	5.6	6.4	6.8	7.7	8.5	9.6
90	0.9	4.1	4.8	5.4	6.2	6.7	7.6	8.2	9.3	10.2	11.5
110	1.0	5.0	5.7	6.6	7.5	8.1	9.2	10.0	11.2	12.4	13.9
125	1.2	5.7	6.5	7.5	8.5	9.2	10.4	11.3	12.7	14.1	15.8
140	1.3	6.4	7.3	8.4	9.5	10.3	11.6	12.7	14.2	15.8	17.6
160	1.5	7.3	8.3	9.6	10.8	11.8	13.2	14.5	16.2	18.1	20.2
180	1.7	8.2	9.3	10.8	12.1	13.3	14.9	16.3	18.2	20.3	22.6
200	1.8	9.1	10.3	12.0	13.4	14.8	16.5	18.1	20.2	22.6	25.1
225	2.1	10.3	11.6	13.5	15.1	16.6	18.5	20.4	22.7	25.4	28.2
250	2.3	11.4	12.8	15.0	16.7	18.4	20.5	22.6	25.1	28.2	31.3
280	2.6	12.8	14.3	16.8	18.7	20.6	22.9	25.3	28.1	31.6	35.0
315	2.9	14.4	16.1	18.9	21.0	23.2	25.8	28.5	31.6	35.5	39.3
355	3.2	16.2	18.1	21.2	23.6	26.2	29.1	32.1	35.6	40.0	44.2
400	3.6	18.2	21.2	23.9	27.7	29.5	34.2	36.2	41.9	45.1	52.1
450	4.1	20.5	23.8	26.9	31.2	33.1	38.3	40.7	47.1	50.8	58.7
500	4.5	22.8	26.5	29.9	34.6	36.8	42.6	45.2	52.2	56.4	65.1
560	5.0	25.5	29.6	33.5	38.8	41.2	47.6	50.6	58.4		
630	5.7	28.7	33.3	37.7	43.6	46.4	53.6	56.9	65.7		
710	6.4	32.3	37.4	42.4	49.0	52.3	60.4				
800	7.2	36.4	42.1	47.8	55.2	58.9	68.0				
900	8.1	41.0	47.4	53.8	62.1						
1000	9.0	45.5	52.6								