

Sprinklers

IRRIGATION EQUIPMENT – SPRINKLER PIPES

IS Code No : IS 14151 (Part 1)
License No : CM/L - 6523466
Nominal Outside Diameters: 40,50,63,75,90,110,125,140,160,180,200
Class of Pipes : 1,2,3 and 4
Length of pipe : 3 or 6 Mtr or agreement and excluding coupler.
Pressure Ratings : 2.5 , 3.2 , 4 and 6 Kg/Cm²

DIMENSIONS OF POLYETHYLENE PIPES FOR SPRINKLER IRRIGATION

				WALL THICKNESS							
				4 Kg / Cm ²		3.2Kg/Cm ²		4 Kg / Cm ²		6Kg / Cm ²	
				Min	Max	Min	Max	Min	Max	Min	Max
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
40	40.0	+0.4	1.4	-	-	-	-	-	-	2.3	2.8
50	50.0	+0.5	1.4	-	-	-	-	2.0	2.4	2.9	3.4
63	63.0	+0.6	1.5	-	-	2.0	2.4	2.5	2.9	3.8	4.4
75	75.0	+0.7	1.6	2.0	2.4	2.5	2.9	3.0	3.4	4.5	5.2
90	90.0	+0.8	1.8	2.2	2.6	2.9	3.4	3.5	4.1	5.3	6.1
110	110.0	+1.0	2.2	2.7	3.2	3.4	3.9	4.2	4.8	6.5	7.4
125	125.0	+1.2	2.5	3.1	3.6	3.8	4.5	4.8	5.5	7.4	8.3
140	140.0	+1.3	2.8	3.5	4.1	4.3	5.0	5.4	6.1	8.3	9.3
160	160.0	+1.5	3.2	3.9	4.5	4.9	5.6	6.2	7.0	9.4	10.6
180	180.0	+1.7	3.6	4.4	5.0	5.5	6.3	6.9	7.8	10.6	11.9
200	200.0	+1.8	4.0	4.9	5.6	6.1	7.0	7.7	8.7	11.8	13.2

All dimensions are inn mm

IRRIGATION EQUIPMENT – LATERALS

IS CODE No : IS: 12786
LICENSE No : CM/L - 6376883
SIZES : 12mm & 16mm

CLASSES _____ : Class I

DIMENSION OF POLYETHYLENE PIPE FOR IRRIGATION LATERAL

Outside Diameter	Tolerance on Outside Diameter	Class1 (0.25Mpa)		Class2 (0.4 Mpa)		Class3 (0.6 Mpa)	
		Min	Max	Min	Max	Min	Max
12	+ 0.3	1.0	1.2	1.1	1.3	1.4	1.6
16	+ 0.3	1.2	1.4	1.4	1.6	1.8	2.0
20	+ 0.3	1.3	1.5	1.5	1.7	2.3	2.5
25	+ 0.3	1.4	1.8	1.9	2.3	2.8	3.3
32	+ 0.3	1.6	2.1	2.4	2.9	3.6	4.2

IRRIGATION

IRRIGATION EQUIPMENT – EMITTERS

IS CODE No : IS: 13487
LICENSE No : CM/L - 6390170
SIZES : 8 lph, 4 lph & 2 lph (Liters Per Hour)
CLASSES : Uniformity Category B, On line,
Unregulated

IRRIGATION EQUIPMENT – EMITTING PIPES

IS CODE No : IS: 13488
LICENSE No : Under process.
SIZES : 16mm – 4 lph
SPACINGS : 30cm, 40cm, 50cm, 60cm, 75cm, 90cm,
100cm, 150cm
CLASSES _____ : Class II

DIAMETER OF POLYETHYLENE EMITTING – PIPES

Outside Diameter	Tolerance on O.D	Class1 0.100 MPa	Class 2 0.125 MPa	Class 3 0.250 MPa	Class 4 0.400 MPa
12	+ 0.3	0.5 - 0.7	0.6 -0.8	1.0- 1.2	1.1 - 1.3
16	+ 0.3	0.7 - 0.9	0.8 -1.0	1.2 - 1.4	1.4 - 1.6
20	+ 0.3	0.8 -1.0	1.0 - 1.2	1.3 - 1.5	1.5 - 1.7
25	+ 0.3	1.0 - 1.2	1.2 - 1.4	1.4 - 1.8	1.9 - 2.3