## Dimensions of HDPE Pipes as per IS 4984 : 1995 (Grade PE 80 )

| PN 2.5 | | PN 4 | | PN 6 | | PN 8 | | PN 10 | | PN 12.5 | | PN 16 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Thickness in mm | | Thickness in mm | | Thickness in mm | | Thickness in mm | | Thickness in mm | | Thickness in mm | | Thickness in mm | |
| Min | Max | Min | Max | Min | Max | Min | Max | Min | Max | Min | Max | Min | Max |
| | | | | | | | | | | 2.3 | 2.8 | 2.8 | 3.3 |
| | | | | | | | | 2.3 | 2.8 | 2.8 | 3.3 | 3.5 | 4.1 |
| | | | | | | 2.4 | 2.9 | 3.0 | 3.5 | 3.6 | 4.2 | 4.5 | 5.2 |
| | | | | 2.3 | 2.8 | 3.0 | 3.5 | 3.7 | 4.3 | 4.5 | 5.2 | 5.6 | 6.4 |
| | | 2.3 | 2.8 | 2.9 | 3.4 | 3.8 | 4.4 | 4.6 | 5.3 | 5.6 | 6.4 | 6.9 | 7.8 |
| | | 2.5 | 3.0 | 3.6 | 4.2 | 4.7 | 5.4 | 5.8 | 6.6 | 7.0 | 7.9 | 8.7 | 9.8 |
| | | 2.9 | 3.4 | 4.3 | 5.0 | 5.6 | 6.4 | 6.9 | 7.8 | 8.4 | 9.5 | 10.4 | 11.7 |
| 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 |
| 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 |
| 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 |
| 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 |
| 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 |
| 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 |
| 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 |
| 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 |
| 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 |
| 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 |
| 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 |
| 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 |
| 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 |
| 11.0 | 12.9 | 17.4 | 20.3 | 25.5 | 29.6 | 33.4 | 38.7 | 41.0 | 47.4 | 50.0 | 57.7 | | |
| 12.2 | 14.3 | 19.3 | 22.4 | 28.4 | 32.9 | 37.1 | 42.9 | 45.5 | 52.6 | 55.6 | 64.2 | | |
| 13.7 | 16.0 | 21.6 | 25.1 | 31.7 | 36.7 | 41.5 | 48.0 | 51 | 58.9 | | | | |
| 15.4 | 18.0 | 24.3 | 28.2 | 35.7 | 41.3 | 46.7 | 54.0 | 57.3 | 66.1 | | | | |

## TEMPERATURE CORRECTION OR DERATING FACTORS

| | | | | | |
|---|---|---|---|---|---|
| Operating Temperature | $^0$ F | 86 | 95 | 104 | 113 |
| | $^0$ C | 30 | 35 | 40 | 45 |
| Coefficient | | 1.00 | 0.88 | 0.75 | 0.65 |