



HDPE PE100 Pipe Specifications: WT & Weight (IS 4427)  
Wall Thickness (mm) / Weight (kg/m)

| Diameter<br>(mm) | SDR 17<br>(PN 10)<br>WT/Weight | SDR 13.6<br>(PN 12.5)<br>WT/Weight | SDR 11<br>(PN 16)<br>WT/Weight | SDR 7.4<br>(PN 25)<br>WT/Weight | SDR 6<br>(PN 32)<br>WT/Weight |
|------------------|--------------------------------|------------------------------------|--------------------------------|---------------------------------|-------------------------------|
| 75               | 4.4 / 0.94                     | 5.5 / 1.15                         | 6.8 / 1.4                      | 10.1 / 1.98                     | 12.5 / 2.36                   |
| 90               | 5.3 / 1.35                     | 6.6 / 1.66                         | 8.2 / 2.02                     | 12.2 / 2.86                     | 15.0 / 3.39                   |
| 110              | 6.5 / 2.03                     | 8.1 / 2.49                         | 10.0 / 3.02                    | 14.9 / 4.27                     | 18.3 / 5.06                   |
| 125              | 7.4 / 2.62                     | 9.2 / 3.21                         | 11.4 / 3.91                    | 16.9 / 5.51                     | 20.8 / 6.54                   |
| 140              | 8.2 / 3.26                     | 10.3 / 4.03                        | 12.7 / 4.88                    | 18.9 / 6.9                      | 23.3 / 8.2                    |
| 160              | 9.4 / 4.27                     | 11.8 / 5.27                        | 14.5 / 6.36                    | 21.6 / 9.02                     | 26.7 / 10.73                  |
| 180              | 10.6 / 5.42                    | 13.2 / 6.64                        | 16.4 / 8.09                    | 24.3 / 11.41                    | 30.0 / 13.57                  |
| 200              | 11.8 / 6.7                     | 14.7 / 8.22                        | 18.2 / 9.98                    | 27.0 / 14.09                    | 33.3 / 16.74                  |
| 225              | 13.2 / 8.43                    | 16.5 / 10.38                       | 20.5 / 12.64                   | 30.4 / 17.84                    | 37.5 / 21.21                  |
| 250              | 14.7 / 10.43                   | 18.4 / 12.85                       | 22.7 / 15.56                   | 33.8 / 22.04                    | 41.7 / 26.2                   |
| 280              | 16.5 / 13.11                   | 20.6 / 16.12                       | 25.5 / 19.57                   | 37.8 / 27.61                    | 46.7 / 32.86                  |
| 315              | 18.5 / 16.54                   | 23.2 / 20.42                       | 28.6 / 24.7                    | 42.6 / 35.0                     | 52.5 / 41.56                  |
| 355              | 20.9 / 21.06                   | 26.1 / 25.89                       | 32.3 / 31.44                   | 48.0 / 44.44                    | 59.2 / 52.81                  |
| 400              | 23.5 / 26.68                   | 29.4 / 32.86                       | 36.4 / 39.92                   | 54.1 / 56.44                    | 66.7 / 67.05                  |
| 450              | 26.5 / 33.85                   | 33.1 / 41.62                       | 40.9 / 50.46                   | 60.8 / 71.37                    | 75.0 / 84.82                  |
| 500              | 29.4 / 41.73                   | 36.8 / 51.41                       | 45.5 / 62.37                   | 67.6 / 88.16                    | 83.3 / 104.69                 |
| 560              | 32.9 / 52.3                    | 41.2 / 64.46                       | 50.9 / 78.15                   | 75.7 / 110.57                   | 93.3 / 131.32                 |
| 630              | 37.1 / 66.34                   | 46.3 / 81.51                       | 57.3 / 98.97                   | 85.1 / 139.85                   | 105.0 / 166.25                |
| 710              | 41.8 / 84.24                   | 52.2 / 103.56                      | 64.5 / 125.57                  | 95.9 / 177.61                   | 118.3 / 211.11                |
| 800              | 47.1 / 106.95                  | 58.8 / 131.44                      | 72.7 / 159.47                  | 108.1 / 225.57                  | 133.3 / 268.03                |
| 900              | 52.9 / 135.15                  | 66.2 / 166.47                      | 81.8 / 201.85                  | 121.6 / 285.47                  | 150.0 / 339.29                |
| 1000             | 58.8 / 166.91                  | 73.5 / 205.38                      | 90.9 / 249.23                  | 135.1 / 352.41                  | 166.7 / 418.95                |
| 1200             | 70.6 / 240.48                  | 88.2 / 295.74                      | 109.1 / 358.95                 | 162.2 / 507.67                  | 200.0 / 603.19                |

\* Based on Israeli Standard IS 4427 / ISO 4427 (PE100).  
\* WT = Minimum Wall Thickness (mm) | Weight = Approximate mass in kg/m.  
\* Density assumed: 0.96 g/cm³.  
\* PN values calculated with Safety Factor C = 1.25.