



AEPL AKSHAT ENGINEERS PVT. LTD.

PRODUCTS FOR BETTER PRESENT & BRIGHT FUTURE

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| HDPE PIPE AS PER IS 14333 MATERIAL GRADE PE 63 | | | | | | | | | | | | | | |
|--|----------------------|------|------|------|------|------|------|------|-------|------|---------|------|-------|------|
| Outer Dia. (MM) | PN 2.5 | | PN 4 | | PN 6 | | PN 8 | | PN 10 | | PN 12.5 | | PN 16 | |
| | Wall Thickness in MM | | | | | | | | | | | | | |
| | Min | Max | Min | Max | Min | Max | Min | Max | Min | Max | Min | Max | Min | Max |
| 63 | - | - | 4 | 4.6 | 5.8 | 6.6 | 7.5 | 8.5 | 9 | 10.1 | 10.9 | 12.2 | 13.3 | 14.9 |
| 75 | 3 | 3.5 | 4.7 | 5.4 | 6.9 | 7.8 | 8.9 | 10 | 10.8 | 12.1 | 13 | 14.5 | 15.8 | 17.6 |
| 90 | 3.6 | 4.2 | 5.7 | 6.5 | 8.2 | 9.3 | 10.6 | 11.9 | 12.9 | 14.4 | 15.6 | 17.4 | 19 | 21.1 |
| 110 | 4.4 | 5.1 | 6.9 | 7.8 | 10 | 11.2 | 13 | 14.5 | 15.8 | 17.6 | 19 | 21.1 | 23.2 | 25.8 |
| 125 | 5 | 5.7 | 7.9 | 8.9 | 11.4 | 12.8 | 14.8 | 16.5 | 17.9 | 19.9 | 21.6 | 24 | 26.4 | 29.3 |
| 140 | 5.6 | 6.4 | 8.8 | 9.9 | 12.8 | 14.3 | 16.5 | 18.4 | 20 | 22.2 | 24.2 | 26.9 | 29.5 | 32.7 |
| 160 | 6.4 | 7.3 | 10 | 11.2 | 14.6 | 16.3 | 18.9 | 21 | 22.9 | 25.4 | 27.6 | 30.6 | 33.7 | 37.3 |
| 180 | 7.2 | 8.2 | 11.3 | 12.7 | 16.4 | 18.3 | 21.2 | 23.6 | 25.8 | 28.6 | 31.1 | 34.5 | 37.9 | 41.9 |
| 200 | 8 | 9 | 12.5 | 14 | 18.2 | 20.3 | 23.6 | 26.2 | 28.6 | 34.7 | 34.5 | 38.2 | 42.2 | 46.7 |
| 225 | 9 | 10.1 | 14.1 | 15.8 | 20.5 | 22.8 | 26.5 | 29.4 | 32.2 | 35.7 | 38.8 | 42.9 | 47.4 | 52.4 |
| 250 | 10 | 11.2 | 15.7 | 17.5 | 22.8 | 25.3 | 29.5 | 32.7 | 35.8 | 39.6 | 43.2 | 47.8 | 52.7 | 58.2 |
| 280 | 11.2 | 12.6 | 17.5 | 19.5 | 25.5 | 28.3 | 33 | 36.5 | 40 | 44.2 | 48.3 | 53.4 | - | - |
| 315 | 12.6 | 14.1 | 19.7 | 21.9 | 28.7 | 31.8 | 37.1 | 41.1 | 45 | 49.7 | 54.4 | 60.1 | - | - |
| 355 | 14.2 | 15.9 | 22.2 | 24.7 | 32.3 | 35.8 | 41.8 | 46.2 | 50.8 | 56.1 | - | - | - | - |
| 400 | 16 | 18.6 | 25 | 29 | 36.4 | 42.1 | 47.1 | 54.4 | 57.2 | 66 | - | - | - | - |
| 450 | 18 | 20.9 | 28.2 | 32.7 | 41 | 47.4 | 53 | 61.2 | - | - | - | - | - | - |
| 500 | 20 | 23.2 | 31.3 | 36.2 | 45.5 | 52.6 | - | - | - | - | - | - | - | - |
| 560 | 22.4 | 26 | 35 | 40.5 | 51 | 58.9 | - | - | - | - | - | - | - | - |
| 630 | 25.2 | 29.2 | 39.4 | 45.6 | 57.3 | 66.1 | - | - | - | - | - | - | - | - |
| 710 | 221.4 | 32.9 | 44.4 | 51.3 | - | - | - | - | - | - | - | - | - | - |
| 800 | 32 | 37 | 50 | 57.7 | - | - | - | - | - | - | - | - | - | - |
| 900 | 36 | 41.6 | 56.3 | 65 | - | - | - | - | - | - | - | - | - | - |
| 1000 | 40 | 46.2 | - | - | - | - | - | - | - | - | - | - | - | - |
| Note : Pressure Rating in : Kg/cm ² | | | | | | | | | | | | | | |

Note : Pressure Rating in : Kg/cm²

Note: The above values are for reference only and the users are requested to reverify these values before using them. Due to typing mistake or later amendment in IS 14333, if any value (s) is incorrect, then Akshat Engineers Private Limited cannot be held responsible for any consequential damages / loss incurred by the user due to the use of these above-mentioned values.



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| HDPE PIPE AS PER IS 14333 MATERIAL GRADE PE 80 | | | | | | | | | | | | | | |
|--|----------------------|------|------|------|------|------|------|------|-------|------|---------|------|-------|------|
| Outer Dia. (MM) | PN 2.5 | | PN 4 | | PN 6 | | PN 8 | | PN 10 | | PN 12.5 | | PN 16 | |
| | Wall Thickness in MM | | | | | | | | | | | | | |
| | Min | Max | Min | Max | Min | Max | Min | Max | Min | Max | Min | Max | Min | Max |
| 63 | - | - | 3 | 3.5 | 4.4 | 5.1 | 5.8 | 6.6 | 7 | 7.9 | 8.6 | 9.7 | 10.5 | 11.8 |
| 75 | 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 |
| 90 | 2.8 | 3.3 | 4.3 | 5 | 6.3 | 7.2 | 8.2 | 9.3 | 10 | 11.2 | 12.2 | 13.7 | 15 | 16.7 |
| 110 | 3.4 | 4 | 5.3 | 6.1 | 7.7 | 8.7 | 10 | 11.2 | 12.3 | 13.8 | 14.9 | 16.6 | 18.4 | 20.5 |
| 125 | 3.8 | 4.4 | 6 | 6.8 | 8.8 | 9.9 | 11.4 | 12.8 | 13.9 | 15.5 | 16.9 | 18.8 | 20.9 | 23.2 |
| 140 | 4.3 | 5 | 6.7 | 7.6 | 9.8 | 11 | 12.8 | 14.3 | 15.6 | 17.4 | 19 | 21.1 | 23.4 | 26 |
| 160 | 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 | 5.5 | 6.3 | 8.6 | 9.7 | 12.6 | 14.1 | 16.4 | 18.3 | 20 | 22.2 | 24.4 | 27.1 | 30 | 33.2 |
| 200 | 6.1 | 7 | 9.6 | 10.8 | 14 | 15.6 | 18.2 | 20.3 | 22.3 | 24.8 | 27.1 | 30.1 | 33.4 | 37 |
| 225 | 6.9 | 7.8 | 10.8 | 12.1 | 15.7 | 17.5 | 20.5 | 22.8 | 25 | 27.7 | 30.5 | 33.8 | 37.5 | 41.5 |
| 250 | 7.6 | 8.6 | 12 | 13.4 | 17.5 | 19.5 | 22.8 | 25.3 | 27.8 | 30.8 | 33.8 | 37.4 | 41.7 | 46.1 |
| 280 | 8.5 | 9.6 | 13.4 | 15 | 19.6 | 21.8 | 25.5 | 28.3 | 31.2 | 34.6 | 37.9 | 41.9 | 46.7 | 51.6 |
| 315 | 9.6 | 10.8 | 15 | 16.7 | 22 | 24.4 | 28.7 | 31.8 | 35 | 38.7 | 42.6 | 47.1 | 52.5 | 58 |
| 355 | 10.8 | 12.1 | 17 | 18.9 | 24.8 | 27.5 | 32.3 | 35.8 | 39.5 | 43.7 | 48 | 53 | 59.2 | 65.4 |
| 400 | 12.2 | 14.3 | 19.1 | 22.2 | 28 | 32.4 | 36.4 | 42.1 | 44.5 | 51.4 | 54.1 | 62.5 | - | - |
| 450 | 13.7 | 16 | 21.5 | 25 | 31.4 | 36.4 | 41 | 47.4 | 50 | 57.7 | - | - | - | - |
| 500 | 15.2 | 17.7 | 23.9 | 27.7 | 34.9 | 40.4 | 45.5 | 52.6 | 55.6 | 64.2 | - | - | - | - |
| 560 | 17 | 19.8 | 26.7 | 31 | 39.1 | 45.2 | 51 | 58.9 | - | - | - | - | - | - |
| 630 | 19.1 | 22.2 | 30 | 34.7 | 44 | 50.8 | 57.3 | 66.1 | - | - | - | - | - | - |
| 710 | 21.6 | 25.1 | 33.9 | 39.2 | 49.6 | 57.3 | - | - | - | - | - | - | - | - |
| 800 | 24.3 | 28.2 | 38.1 | 44.1 | 55.9 | 64.5 | - | - | - | - | - | - | - | - |
| 900 | 27.3 | 31.6 | 42.9 | 49.6 | - | - | - | - | - | - | - | - | - | - |
| 1000 | 30.4 | 35.2 | 47.7 | 55.1 | - | - | - | - | - | - | - | - | - | - |
| Note : Pressure Rating in : Kg/cm ² | | | | | | | | | | | | | | |

Note : Pressure Rating in : Kg/cm²

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| HDPE PIPE AS PER IS 14333 MATERIAL GRADE PE 100 | | | | | | | | | | |
|---|----------------------|------|------|------|-------|------|---------|------|-------|------|
| Outer Dia. (MM) | PN 6 | | PN 8 | | PN 10 | | PN 12.5 | | PN 16 | |
| | Wall Thickness in MM | | | | | | | | | |
| | Min | Max | Min | Max | Min | Max | Min | Max | Min | Max |
| 63 | 3.6 | 4.2 | 4.7 | 5.4 | 5.8 | 6.6 | 7 | 7.9 | 8.7 | 9.8 |
| 75 | 4.3 | 5 | 5.6 | 6.4 | 6.9 | 7.8 | 8.4 | 9.5 | 10.4 | 11.7 |
| 90 | 5.1 | 5.9 | 6.7 | 7.6 | 8.2 | 6.3 | 10 | 11.2 | 12.5 | 14 |
| 110 | 6.3 | 7.2 | 8.2 | 9.3 | 10 | 11.2 | 12.3 | 13.8 | 15.2 | 17 |
| 125 | 7.1 | 8.1 | 9.3 | 10.5 | 11.4 | 12.8 | 13.9 | 15.5 | 17.3 | 19.3 |
| 140 | 8 | 9 | 10.4 | 11.7 | 12.8 | 14.3 | 15.6 | 17.4 | 19.4 | 21.6 |
| 160 | 9.1 | 10.3 | 11.9 | 13.3 | 14.6 | 16.3 | 17.8 | 19.8 | 22.1 | 24.6 |
| 180 | 10.2 | 11.5 | 13.4 | 15 | 16.4 | 18.3 | 20 | 22.2 | 24.9 | 27.6 |
| 200 | 11.4 | 12.8 | 14.9 | 16.6 | 18.2 | 20.3 | 22.3 | 24.8 | 27.6 | 30.6 |
| 225 | 12.8 | 14.3 | 16.7 | 18.6 | 20.5 | 22.8 | 25 | 27.7 | 31.1 | 34.5 |
| 250 | 14.2 | 15.9 | 18.6 | 20.7 | 22.8 | 25.3 | 27.8 | 30.8 | 34.5 | 38.2 |
| 280 | 15.9 | 17.7 | 20.8 | 23.1 | 25.2 | 28.3 | 31.2 | 34.6 | 38.7 | 42.8 |
| 315 | 17.9 | 19.9 | 23.4 | 26 | 28.7 | 31.8 | 35 | 38.7 | 43.5 | 48.1 |
| 355 | 20.1 | 22.4 | 26.3 | 29.2 | 32.3 | 35.8 | 39.5 | 43.7 | 49 | 54.1 |
| 400 | 22.7 | 26.4 | 29.7 | 34.4 | 36.4 | 42.1 | 44.5 | 51.4 | 55.2 | 63.7 |
| 450 | 25.5 | 29.6 | 33.4 | 38.7 | 41 | 47.4 | 50 | 57.7 | - | - |
| 500 | 28.4 | 32.9 | 37.1 | 42.9 | 45.5 | 52.6 | 55.6 | 64.2 | - | - |
| 560 | 31.7 | 36.7 | 41.5 | 48 | 51 | 58.9 | - | - | - | - |
| 630 | 35.7 | 41.3 | 46.7 | 54 | 57.3 | 66.1 | - | - | - | - |
| 710 | 40.2 | 46.5 | 52.6 | 60.7 | - | - | - | - | - | - |
| 800 | 45.3 | 52.3 | - | - | - | - | - | - | - | - |
| 900 | 51 | 58.9 | - | - | - | - | - | - | - | - |
| 1000 | 56.7 | 65.5 | - | - | - | - | - | - | - | - |
| Note : Pressure Rating in : Kg/cm ² | | | | | | | | | | |

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