# PPR Pipes

| Specification | |
|---|---|
| **Material** | Polypropylene Random Copolymer (PP-R). |
| **Standard** | IS 15801:2008 (Indian Standard), with dimensions often derived from DIN 8077/8078. |
| **Sizes** | 16mm to 200mm Nominal OD. |
| **Pressure Ratings (PN)** | PN10 (SDR 11), PN16 (SDR 7.4), PN20 (SDR 6) |
| **Density** | 900-910 kg/m³ |
| **Melt Flow Rate** | ≤0.5g/10 min |
| **Max Temp** | Up to 95° C |

**Standard Dimensions Table (As per IS : 15801 & DIN 8077 Wall Thickness and Weight Corresponding to Different Pipe Sizes)**

| D (Outer diameter of pipe in mm) | SDR 11 / PN10 – S Thickness (mm) | Mass (kg/m) | SDR 7.4 / PN 16 – S Thickness (mm) | Mass (kg/m) | SDR 6 / PN 20 – S Thickness (mm) | Mass (kg/m) |
|---|---|---|---|---|---|---|
| 20 | 1.9 | 0.107 | 2.8 | 0.148 | 3.4 | 0.172 |
| 25 | 2.3 | 0.164 | 3.5 | 0.230 | 4.2 | 0.266 |
| 32 | 2.9 | 0.261 | 4.4 | 0.370 | 5.4 | 0.434 |
| 40 | 3.7 | 0.412 | 5.5 | 0.575 | 6.7 | 0.671 |
| 50 | 4.6 | 0.638 | 6.9 | 0.896 | 8.3 | 1.040 |
| 63 | 5.8 | 1.01 | 8.6 | 1.410 | 10.5 | 1.650 |
| 75 | 6.8 | 1.41 | 10.3 | 2.010 | 12.5 | 2.340 |
| 90 | 8.2 | 2.03 | 12.3 | 2.870 | 15 | 3.360 |
| 110 | 10 | 3.01 | 15.1 | 4.300 | 18.3 | 5.010 |
| 160 | 14.6 | 6.38 | 21.9 | 9.040 | 26.6 | 10.60 |

## Features & Characteristics

- PPR pipes are made of polypropylene random copolymer and are used in various applications.
- They are also resistant to chemicals, heat, and uv radiation.
- PPR pipes can be customizable in nature.
- PPR pipes comes in different shades and sizes