



PEFitTMAQUA

HDPE PIPING SYSTEMS

BRINGS WATER TO LIFE



As per
IS 4984:2016



Overview

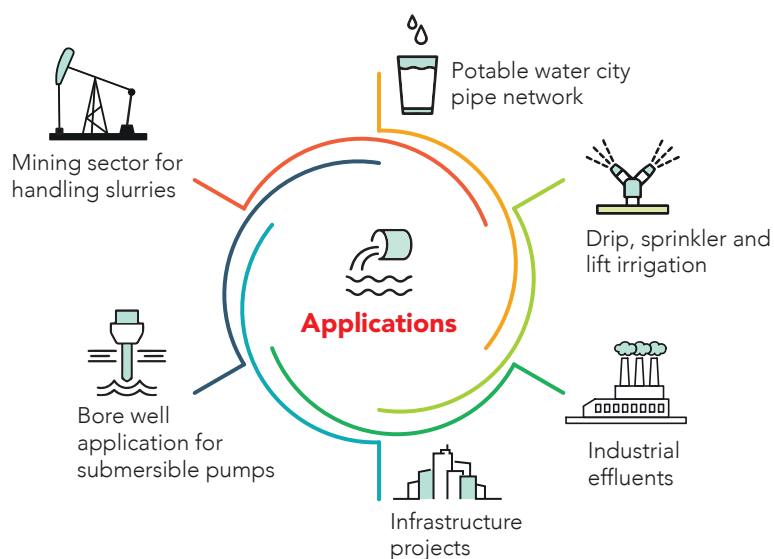
Polyethylene polymer is designed to meet the most demanding operating conditions in the process of transmission of various types of liquids. PRINCE **PEFit Aqua** is manufactured in our State of the Art Manufacturing facilities using high quality virgin raw material.

Product range

- **Pipes:** 20 to 315 mm **Length:** 6 meter & 12 meter
- **Coil:** 20 to 110 mm

Standards

| Pipes & Coil | | | | |
|--|----------------------|--------------|--------------------------------------|---------------------------------|
| Size (mm) | Class | Standard | Working Pressure | End Connection |
| Pipe: 20 to 315 Coil: 20 to 110 | PE63, PE80, PE100 | IS 4984:2016 | 2KG/CM2 to 20KG/CM2 SDR41 to SDR6 | Butt Welding, Electro Fusion |



Features and benefits

- Ease of installation and excellent weldability
- Excellent Flexibility
- Low friction coefficient & higher flow capacity
- UV Resistance
- Recyclable
- Light in weight
- Chemical and corrosion resistance*
- Resistance to ground movement and loads
- Good weather resistance
- Long Life

Dimensions

Standard dimension ratio (SDR) and corresponding wall thickness of pipes as per IS 4984:2016.

| SDR | SDR 41 | SDR 33 | SDR 26 | SDR 21 | SDR 17 | SDR 13.6 | SDR 11 | SDR 9 | SDR 7.4 | SDR 6 | | | | | | | | | | | | | | | | | | |
|------------------------------|--------|--------|--------|--------|--------|----------|---------|---------|---------|-------|------|------|------|------|------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|------|------|
| Nominal Pressure (PN) | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PE 63 | PN 2 | PN 2.5 | PN 3.2 | PN 4 | PN 5 | PN 6 | PN 8 | - | - | - | | | | | | | | | | | | | | | | | | |
| PE 80 | PN 2.5 | PN 3.2 | PN 4 | PN 5 | PN 6 | PN 8 | PN 10 | PN 12.5 | PN 16 | PN 20 | | | | | | | | | | | | | | | | | | |
| PE 100 | PN 3 | PN 4 | PN 5 | PN 6 | PN 8 | PN 10 | PN 12.5 | PN 16 | PN 20 | - | | | | | | | | | | | | | | | | | | |
| Wall Thickness (mm) | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Nominal OD (mm) | min | max | min | max | min | max | min | max | min | max | min | max | min | max | min | max | min | max | min | max | | | | | | | | |
| 20 | | | | | | | | | | | | | 1.9 | 2.2 | 2.3 | 2.6 | 2.7 | 3.1 | 3.4 | 3.8 | | | | | | | | |
| 25 | | | | | | | | | | | | | 1.9 | 2.2 | 2.3 | 2.6 | 2.8 | 3.2 | 3.4 | 3.8 | 4.2 | 4.7 | | | | | | |
| 32 | | | | | | | | | | | | | 1.9 | 2.2 | 2.4 | 2.7 | 2.9 | 3.3 | 3.6 | 4.1 | 4.4 | 4.9 | 5.4 | 6.0 | | | | |
| 40 | | | | | | | | | | | | | 1.9 | 2.2 | 2.4 | 2.7 | 3.0 | 3.4 | 3.7 | 4.2 | 4.5 | 5.1 | 5.4 | 6.0 | 6.7 | 7.5 | | |
| 50 | | | | | | | | | | | | | 2.0 | 2.3 | 2.4 | 2.7 | 3.0 | 3.4 | 3.7 | 4.2 | 4.6 | 5.2 | 5.6 | 6.3 | 6.8 | 7.6 | 8.4 | 9.3 |
| 63 | | | | | | | | | | | | | 2.5 | 2.9 | 3.0 | 3.4 | 3.7 | 4.2 | 4.7 | 5.3 | 5.8 | 6.5 | 7.0 | 7.8 | 8.6 | 9.6 | 10.5 | 11.7 |
| 75 | 1.9 | 2.2 | 2.3 | 2.6 | 2.9 | 3.3 | 3.6 | 4.1 | 4.5 | 5.1 | 5.6 | 6.3 | 6.9 | 7.7 | 8.4 | 9.3 | 10.2 | 11.3 | 12.5 | 13.9 | | | | | | | | |
| 90 | 2.2 | 2.5 | 2.8 | 3.2 | 3.5 | 4.0 | 4.3 | 4.8 | 5.3 | 5.9 | 6.7 | 7.5 | 8.2 | 9.1 | 10.0 | 11.1 | 12.2 | 13.5 | 15.0 | 16.6 | | | | | | | | |
| 110 | 2.7 | 3.1 | 3.4 | 3.8 | 4.3 | 4.8 | 5.9 | 6.6 | 6.5 | 7.3 | 8.1 | 9.0 | 10.0 | 11.1 | 12.3 | 13.6 | 14.9 | 16.5 | 18.4 | 20.3 | | | | | | | | |
| 125 | 3.1 | 3.5 | 3.8 | 4.3 | 4.8 | 5.4 | 6.0 | 6.7 | 7.4 | 8.2 | 9.2 | 10.2 | 11.4 | 12.7 | 13.9 | 15.4 | 16.9 | 18.7 | 20.9 | 23.1 | | | | | | | | |
| 140 | 3.5 | 4.0 | 4.3 | 4.8 | 5.4 | 6.0 | 6.7 | 7.5 | 8.3 | 9.2 | 10.3 | 11.4 | 12.8 | 14.2 | 15.6 | 17.3 | 19.0 | 21.0 | 23.4 | 25.8 | | | | | | | | |
| 160 | 3.9 | 4.4 | 4.9 | 5.5 | 6.2 | 6.9 | 7.7 | 8.6 | 9.5 | 10.6 | 11.8 | 13.1 | 14.6 | 16.2 | 17.8 | 19.7 | 21.7 | 24.0 | 26.7 | 29.5 | | | | | | | | |
| 180 | 4.4 | 4.9 | 5.5 | 6.2 | 7.0 | 7.8 | 8.6 | 9.6 | 10.6 | 11.8 | 13.3 | 14.7 | 16.4 | 18.1 | 20.0 | 22.1 | 24.4 | 26.9 | 30.0 | 33.1 | | | | | | | | |
| 200 | 4.9 | 5.5 | 6.1 | 6.8 | 7.7 | 8.6 | 9.6 | 10.7 | 11.8 | 13.1 | 14.7 | 16.3 | 18.2 | 20.1 | 22.3 | 24.6 | 27.1 | 29.9 | 33.4 | 36.8 | | | | | | | | |
| 225 | 5.5 | 6.2 | 6.9 | 7.7 | 8.7 | 9.7 | 10.8 | 12.0 | 13.3 | 14.7 | 16.6 | 18.4 | 20.5 | 22.7 | 25.0 | 27.6 | 30.5 | 33.7 | 37.5 | 41.4 | | | | | | | | |
| 250 | 6.1 | 6.8 | 7.6 | 8.5 | 9.7 | 10.8 | 12.0 | 13.3 | 14.7 | 16.3 | 18.4 | 20.3 | 22.8 | 25.2 | 27.8 | 30.7 | 33.8 | 37.3 | 41.7 | 46.0 | | | | | | | | |
| 280 | 6.9 | 7.7 | 8.5 | 9.5 | 10.8 | 12.0 | 13.4 | 14.8 | 16.5 | 18.3 | 20.6 | 22.8 | 25.5 | 28.2 | 31.2 | 34.4 | 37.9 | 41.8 | 46.7 | 51.5 | | | | | | | | |
| 315 | 7.7 | 8.6 | 9.6 | 10.7 | 12.2 | 13.5 | 15.0 | 16.6 | 18.6 | 20.6 | 23.2 | 25.6 | 28.7 | 31.7 | 35.0 | 38.6 | 42.6 | 47.0 | 52.5 | 57.9 | | | | | | | | |