



Weholite

Lightweight Pipe System

Polyethylene has outstanding advantage over conventional material, such as:

- Corrosion resistance
- Flexibility
- Non toxic
- Impact strength
- Long service life
- Weldability
- Light weight
- Abrasion resistance

Typical Rein Properties for Weholite Pipe (73 i F)

| Typical Material Property | Standard | Value | Unit |
|---|------------|-----------|--------------------|
| Density (Compounded) | ASTM D1505 | 0.955 | gm/cm ³ |
| Melt Index (Pipe Condition 190/21.6) | ASTM D1238 | 7.5 | gm/10min |
| Secant Flexural Modulus (2% Strain) | ASTM D790 | 118,000 | psi |
| Tensile Strength at Yield | ASTM D638 | 3,200 | psi |
| Environmental Stress Crack Resistance (Condition C) | ASTM D1693 | >2,000 | F ₀ hrs |
| Hydrostatic Design Basis | ASTM D2837 | 1,600 | psi |
| Carbon Black | ASTM D1603 | minimum 2 | % |
| Elongation at Break | ASTM D638 | 850 | % |

Typical Rein Properties for Weholite Pipe (73 i F)

| Weholite Pipe Size | Nominal ID (inches) | Average Outside Diameter | |
|--------------------|---------------------|-----------------------------|-----------------------------|
| | | for Max. Stiffness (inches) | for Min. Stiffness (inches) |
| 15 | 15 | 16.9 | 16.5 |
| 18 | 18 | 20.2 | 19.9 |
| 19.5 | 19.5 | 21.7 | 21.7 |
| 21 | 21 | 23.7 | 22.9 |
| 24 | 24 | 27.1 | 26.2 |
| 27 | 27 | 30.4 | 30.0 |
| 30 | 30 | 33.8 | 32.7 |
| 36 | 36 | 40.7 | 39.1 |
| 40 | 40 | 45.2 | 43.4 |
| 42 | 42 | 47.5 | 45.4 |
| 48 | 48 | 53.8 | 51.8 |
| 54 | 54 | 60.5 | 58.7 |
| 60 | 60 | 67.2 | 65.2 |
| 66 | 66 | 73.9 | 70.7 |
| 72 | 72 | 80.6 | 77.8 |
| 78 | 78 | 87.4 | 84.5 |
| 84 | 84 | 94.1 | 90.5 |
| 90 | 90 | 100.8 | 97.2 |
| 96 | 96 | 107.5 | 103.2 |
| 108 | 108 | 121.0 | 115.9 |
| 120 | 120 | 134.4 | 128.6 |